Extron Electronics

INTERFACING, SWITCHING AND CONTROL

2014 NEW PRODUCTS

SECOND EDITION

SERVICE SUPPORT SOLUTIONS
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Extron®
Satisfaction Guarantee

As a leading manufacturer in the AV industry, we are committed to engineering and manufacturing our products to the highest standards of quality, performance, and value. From our advanced product design, manufacturing and quality control procedures to our friendly and knowledgeable support teams, our commitment to satisfy you is paramount. In every interaction with Extron, you can be confident you will receive our S3 commitment to Service, Support, and Solutions. For 31 years, our objective has been to ensure that every customer is completely satisfied with every purchase.

To underscore this commitment, we offer our Satisfaction Guarantee. This means we will work diligently to resolve any issue you have with your purchase until you are completely satisfied. Extron employees are prepared to do whatever it takes to make certain that the entire process of doing business with us is a positive and professionally rewarding experience for you.

I'm so confident in our ability to deliver on this pledge that I back it personally. If you are not satisfied with any part of your transaction with Extron, I want to know. Please contact me at president@extron.com. I will personally address any unresolved customer issue. We greatly appreciate your business. It is our intent to keep you as a customer for life.

Andrew C. Edwards

President

EXTRON DTP SYSTEMS

A Complete System Integration Platform with Powerful AV Capabilities

The Extron DTP Systems product family is the most comprehensive in the AV industry for integrating switching, distribution, and processing in small to mid-sized systems. This family includes 46 different extender models in a wide variety of form factors and video formats, plus 14 switchers and matrix switchers with essential AV signal processing and control features. DTP Systems allow complete flexibility in designing systems precisely to your application and budget requirements.

Flexible System Designs

DTP Systems provide a complete system integration solution that supports 4K, accommodates digital and analog video formats, and provides all the components that are essential to any AV system. These systems transmit video, audio, and bidirectional control, plus provide remote power over a shielded CATx cable to streamline system design and installation.

DTP Systems support DTP 230 signal extension up to 230 feet (70 meters) or DTP 330 signal extension up to 330 feet (100 meters) for a cost-effective solution that accommodates distance requirements in various applications. A range of single input and multi-input extenders are available in compact, low-profile enclosures, plus wallplate and floor box versions for flexibility in placing connections wherever needed for local and remote sources and displays.

Powerful Integration Capabilities

The comprehensive product lineup delivers all the powerful integration capabilities to create a flexible and reliable AV switching and distribution system. They include scaling, signal processing, switching, matrix switching, audio amplification, audio DSP, and AV system control.

Performance and Ease of Operation

Many Extron-exclusive core technologies are designed into DTP Systems for optimal performance and ease of operation. Extron EDID Minder® and Key Minder® provide EDID and HDCP management, ProDSP enables complete audio system design and optimization, and a built-in IPCP Pro 350 control processor delivers complete AV system control. Additionally, DTP cable and accessories ensure maximum performance and integrity over the entire DTP cable infrastructure.

HDBaseT Compatibility

Select DTP System models can deliver an HDBaseT-compatible output with digital video and embedded audio, plus bidirectional RS-232 and IR signals to an HDBaseT-enabled display. This allows even greater flexibility for your AV system designs and integration requirements.

XTP Systems for Facility-Wide Applications

For large-scale AV switching and distribution in a facility, Extron XTP System products enable a complete system integration platform with modular XTP CrossPoint matrix switchers, a selection of input and output boards, and a wide range of extender models. Additionally, DTP CrossPoint matrix switchers installed in rooms can be integrated into a central XTP CrossPoint matrix switcher for a complete, end-to-end distribution system throughout a facility.

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+31.33.453.4050 FAX	+971.4.299.1880 FAX	+65.6383.4664 FAX	+86.21.3760.1566 FAX	+81.3.3511.7656 FAX	**Extron**

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DTP SYSTEMS

DTP CrossPoint 84
8x4 Scaling Presentation Matrix Switchers with DTP Extension and Control Processor

The Extron DTP CrossPoint® 84 is a 4K, 8x4 matrix switcher with HDMI and DTP twisted pair inputs and outputs, scaling, an integrated audio power amplifier, comprehensive audio DSP, and a built-in IPCP Pro 350 control processor. The DTP CrossPoint 84 provides complete system integration in a 2U enclosure, for applications with multiple displays, sound reinforcement, and AV system control. It supports local and remote sources and displays with six HDMI inputs and two DTP inputs, plus two HDMI outputs and two DTP outputs. DTP extension allows connection to DTP endpoints, plus XTP® matrix switchers. Each DTP output also includes independent scaling up to 1080p and 2K. Full audio optimization is available with an integrated Extron ProDSP™ audio digital signal processor, which can be linked to an additional Extron DSP for AEC and I/O expansion.

FEATURES
- All-in-one 8x4 4K matrix switcher, scaler, audio DSP, audio power amplifier, and control processor
- Two DTP inputs and six HDMI inputs
- Two HDMI outputs and two independently scaled DTP outputs
- Integrated DTP inputs and outputs support transmission of video, control, and audio up to 330 feet (100 meters) over a shielded CATx cable
- Supports 4K signals at all inputs and on both HDMI outputs
- Selectable scaled DTP output rates from 640x480 to 1920x1200, including HDTV 1080p/60 and 2K
- Compatible with DTP 230 Series and DTP 330 Series, plus XTP CrossPoint matrix switchers
- DTP outputs are compatible with HDBaseT-enabled devices
- Compatible with CATx shielded twisted pair cable
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- Remote powering of DTP transmitters and receivers
- RS-232 insertion from the Ethernet control port
- Bidirectional RS-232 and IR insertion for AV device control
- Integrated IPCP Pro 350 control processor
- Supports TouchLink® Pro touchpanels
- Supports secure industry standard communications protocols
- Supports LinkLicense™

- Two bidirectional RS-232 ports with software handshaking
- One bidirectional RS-232/RS-422/RS-485 port with hardware and software handshaking
- Two IR/Serial ports for one-way control of external devices
- Four Digital I/O ports
- Four relays for controlling room functions
- Integrated three port network switch
- Supports 10/100/1000Base-T
- Supports Ethernet-controllable devices
- Fully customizable using Extron control system software
- Controller groups
- HDMI audio embedding
- HDMI audio de-embedding
- Output volume control
- Audio input gain and attenuation
- Audio breakaway
- S/PDIF audio output
- Integrated audio digital signal processor with ProDSP™ 32/64-bit processing
- Digital audio expansion port provides interfacing to an Extron DMP 128 processor for AEC and audio system scalability
- Four mic/line inputs with 48 volt phantom power
- Mic ducking
- DSP Configurator™ Software
- Energy efficient Class D stereo or mono amplifier: 2 x 50 watts @ 4 ohms or 2 x 25 watts @ 8 ohms 1 x 100 watts @ 70 volts
- HDCP compliant
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- EDID Minder® automatically manages EDID communication between connected devices
- SpeedSwitch® Technology provides exceptional switching speed for HDCP-encrypted content
- Ethernet monitoring and control
- Built-in Web pages
- RS-232 control port
- Front panel USB configuration port
- Easy setup and commissioning with Extron's PCS - Product Configuration Software
- Rack-mountable 2U, full rack width metal enclosure
- Highly reliable, energy-efficient internal universal power supply

DTP CrossPoint 84 IPCP SA

DTP CrossPoint 84 IPCP MA 70

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Model	Version Description	Part Number
DTP CrossPoint 84 IPCP SA	2 x 50 Watt Stereo Power Amplifier	60-1368-12
DTP CrossPoint 84 IPCP SA	2 x 50 Watt Stereo Power Amplifier, LinkLicense	60-1368-12A
DTP CrossPoint 84 IPCP MA 70	100 Watt 70 V Mono Power Amplifier	60-1368-13
DTP CrossPoint 84 IPCP MA 70	100 Watt 70 V Mono Power Amplifier, LinkLicense . . .	60-1368-13A

DTP SYSTEMS

IN1608 IPCP

Eight Input HDCP-Compliant Scaling Presentation Switcher with DTP Extension and Control Processor

The Extron IN1608 IPCP is an eight-input scaling presentation switcher with a built-in IPCP Pro 350 control processor and integrated audio power amplifier. It features four HDMI inputs, two universal analog video inputs, and two Extron DTP inputs, plus dual HDMI outputs and one DTP output. The DTP inputs and output work with DTP endpoints to extend HDMI, audio, and bidirectional control signals. Each DTP transmitter/receiver link requires just a single shielded CATx cable. The IN1608 IPCP provides the convenience of supporting local and remote sources and displays, with fast and reliable source switching, and a high performance scaling engine for HDMI and analog sources. The IN1608 IPCP also includes a host of audio switching and processing features.

FEATURES

- Integrates HDMI, analog video, and audio sources into presentation systems
- Two DTP inputs, four HDMI inputs, and two universal analog video inputs
- Three simultaneous video outputs
- Integrated DTP inputs and output support transmission of HDMI, control, and analog audio up to 330 feet (100 meters) over a shielded CATx cable
- Compatible with CATx shielded twisted pair cable
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- Bidirectional RS-232 and IR pass-through for AV device control
- Remote powering of DTP transmitters and receiver
- Compatible with all DTP Series models and DTP-enabled products
- Integrated IPCP Pro 350 control processor
- Supports TouchLink® Pro touchpanels
- Supports secure industry standard communications protocols
- Supports LinkLicense™
- Two bidirectional RS-232 ports with software handshaking
- One bidirectional RS-232/RS-422/RS-485 port with hardware and software handshaking
- Two IR/Serial ports for one-way control of external devices

- Four Digital I/O ports
- Four relays for controlling room functions
- Integrated three port network switch
- Supports 10/100/1000Base-T
- Supports Ethernet-controllable devices
- Fully customizable using Extron control system software
- Controller groups
- Two mic/line inputs with 48 volt phantom power
- Mic ducking
- Auto-switching between inputs
- HDMI audio embedding
- HDMI audio de-embedding
- Selectable output rates from 640x480 to 1920x1200, including HDTV 1080p/60 and 2K
- Advanced scaling engine with 30-bit processing and 1080i deinterlacing
- Energy efficient Class D stereo or mono amplifier: 2 x 50 watts @ 4 ohms or 2 x 25 watts @ 8 ohms 1 x 100 watts @ 70 volts
- HDCP compliant
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- EDID Minder® automatically manages EDID communication between connected devices
- SpeedSwitch® Technology provides exceptional switching speed for HDCP-encrypted content
- Seamless switching
- On-screen menus
- Output volume control
- Audio input gain and attenuation
- Audio breakaway
- Audio switching transitions
- Advanced audio configuration
- Ethernet monitoring and control
- Built-in Web pages
- RS-232 control port
- Front panel USB configuration port
- Easy setup and commissioning with Extron's PCS - Product Configuration Software
- Rack-mountable 2U, full rack width metal enclosure
- Highly reliable, energy-efficient internal universal power supply

IN1608 IPCP SA

IN1608 IPCP MA 70

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Model	Version Description	Part Number
IN1608 IPCP SA	Control Processor and Stereo Amp, DTP 330	60-1238-12
IN1608 IPCP SA	Control Proc, Stereo Amp, DTP 330, LinkLicense.	60-1238-12A
IN1608 IPCP MA 70	Control Processor and 70 V Mono Amp, DTP 330	60-1238-13
IN1608 IPCP MA 70	Control Proc, 70 V Amp, DTP 330, LinkLicense	60-1238-13A

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DTP SYSTEMS

IN1604 DTP
Four Input HDCP-Compliant Scaler with DTP Extension

The Extron IN1604 DTP is an HDCP-compliant scaler with three HDMI inputs, a universal analog video input, and an Extron DTP output, in a compact 1U, half rack enclosure. The IN1604 DTP is ideal for installation beneath conference tables and in lecterns to provide localized switching support for sources such as presenter devices. The DTP output allows signal extension up to 330 feet (100 meters) over shielded CATx cable to reach a wall or ceiling-mounted display. The IN1604 DTP provides the convenience of fast and reliable switching, along with a high performance scaling engine for HDMI and analog video sources. Also included are a host of audio processing features and many versatile options for control.

FEATURES
- Integrates HDMI, analog video, and audio sources into presentation systems
- Three HDMI inputs and one universal analog video input
- DTP output supports transmission of HDMI, control, and analog audio up to 330 feet (100 meters) over a shielded CATx cable
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance

- Bidirectional RS-232 and IR pass-through for AV device control
- Remote powering of DTP receiver
- Compatible with all DTP 230 and DTP 330 Series receivers, and DTP-enabled products
- DTP output is compatible with HDBaseT-enabled devices
- Auto-switching between inputs
- Selectable output rates from 640x480 to 1920x1200, including HDTV 1080p/60 and 2K
- Advanced scaling engine with 30-bit processing and 1080i deinterlacing
- HDMI audio embedding
- HDMI audio de-embedding
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- EDID Minder® automatically manages EDID communication between connected devices
- SpeedSwitch® Technology provides exceptional switching speed for HDCP-encrypted content
- RS-232 control port
- Contact closure remote control with tally output
- Front panel USB configuration port
- Compact 1U, half rack width metal enclosure

Model	Version Description	Part Number
IN1604 DTP	Four Input Scaler with DTP Output …………	60-1457-01

Annotator 300
HDCP-Compliant Annotation Processor with DTP Extension

The Extron Annotator 300 is a high performance, hardware-based annotation processor that allows a presenter to draw, point, or type over live presentations using a touch display, graphics tablet, or a keyboard and mouse. The HDCP-compliant Annotator 300 includes HDMI and DisplayPort inputs, a universal analog video input, and three simultaneous outputs including two HDMI and a DTP twisted pair output. It also features advanced Extron video signal processing with a high performance scaling engine and fast, reliable switching. The DTP twisted pair output extends HDMI and bidirectional control signals to a DTP receiver over a shielded CATx cable up to 330 feet (100 meters). The Annotator 300 offers a wide range of annotation tools and controls, all easily accessible by the presenter using an intuitive on-screen GUI.

FEATURES
- Live annotation capabilities plus high performance scaling and switching
- Integrated three-input switcher with HDMI, DisplayPort, and universal analog video inputs
- Three simultaneous video outputs
- Integrated DTP output supports transmission of HDMI with embedded audio and control up to 330 feet (100 meters) over a shielded CATx cable
- Intuitive graphical annotation interface

- Compatible with popular touch displays and graphics tablets
- Capture and store images to a USB flash drive, internal memory, or a network location, plus the ability to recall annotated images
- Configurable Main and Confidence outputs
- Supports DisplayPort input signals at resolutions up to 2560x1600
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- Remote powering of DTP receiver
- Compatible with all DTP 230 and DTP 330 Series receivers, and DTP-enabled products
- DTP output is compatible with HDBaseT-enabled devices
- Auto-switching between inputs
- Advanced scaling engine with 30-bit processing and 1080i deinterlacing
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- EDID Minder® automatically manages EDID communication between connected devices
- SpeedSwitch® Technology provides exceptional switching speed for HDCP-encrypted content
- Ethernet monitoring and control
- Front panel USB configuration port
- Contact closure ports

Model	Version Description	Part Number
Annotator 300	Annotation Processor with DTP Extension …..	60-1316-01

Try an interactive demo of the graphical user interface
www.extron.com/annotator300demo

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DTP SYSTEMS

DTP T HWP D
DTP Transmitters for HDMI - Decora® Wallplate

The Extron DTP T HWP 231 D and DTP T HWP 331 D are single-gang Decora®-style transmitters for sending HDMI, audio, and bidirectional RS-232 and IR signals over a shielded CATx cable to Extron DTP-enabled products. The DTP T HWP 231 D extends signals up to 230 feet (70 meters), while the DTP T HWP 331 D extends signals up to 330 feet (100 meters). The one-gang form factor provides maximum space efficiency in wall mount, floor box, and furniture mount applications. They support computer video up to 2560x1600, HDTV 1080p/60 Deep Color, and 4K resolutions. Both models also accept analog stereo audio signals for simultaneous transmission over the same shielded twisted pair cable. The transmitters feature remote power capability, plus bidirectional RS-232 and IR pass-through for remote AV device control. The single-gang wall-mountable design provides the convenience of placing input connections precisely where they are needed.

FEATURES

- Transmits HDMI plus control and analog audio over a shielded CATx cable:
  Up to 230 feet (70 meters) – DTP T HWP 231 D
  Up to 330 feet (100 meters) – DTP T HWP 331 D
- Supports computer video up to 2560x1600, HDTV 1080p/60 Deep Color, and 4K resolutions
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- DTP output is compatible with HDBaseT-enabled devices
- Accepts additional analog stereo audio signals
- Bidirectional RS-232 and IR pass-through for AV device control
- Remote power capability
- Compatible with all DTP Series receivers and DTP-enabled products
- Mounts in an included single-gang Decora®-style wallplate

4K/UHD

Model	Version Description	Part Number
DTP T HWP 231 D	HDMI Decora Transmitter - Black, 230 feet (70 m)	60-1421-12
DTP T HWP 231 D	HDMI Decora Transmitter - White, 230 feet (70 m)	60-1421-13
DTP T HWP 331 D	HDMI Decora Transmitter - Black, 330 feet (100 m)	60-1421-52
DTP T HWP 331 D	HDMI Decora Transmitter - White, 330 feet (100 m)	60-1421-53

DTP DP
DisplayPort Twisted Pair Extenders

The Extron DTP DP 230 and DTP DP 330 are transmitters and receivers for sending DisplayPort, audio, and bidirectional RS-232 and IR signals over a shielded CATx twisted pair cable. The DTP DP 230 extends signals up to 230 feet (70 meters), while the DTP DP 330 extends signals up to 330 feet (100 meters). Both DTP DP models provide an effective means for incorporating higher resolution DisplayPort with embedded audio into DTP Systems, and the receivers support Type 2 dual-mode DisplayPort for HDMI, 4K-capable devices. They support computer video up to 2560x1600, 1080p/60 Deep Color, and 4K resolutions. The DTP DP 230 and DTP DP 330 accept analog stereo audio signals for simultaneous transmission over the same shielded twisted pair cable. The compact enclosure size and remote power capability make the DTP DP models ideal for discreet placement in lecterns, beneath tables, behind flat-panel displays, or wherever needed to meet application requirements.

FEATURES

- Transmits DisplayPort plus control and analog audio over a shielded CATx cable:
  Up to 230 feet (70 meters) – DTP DP 230
  Up to 330 feet (100 meters) – DTP DP 330
- Supports computer video up to 2560x1600, HDTV 1080p/60 Deep Color, and 4K resolutions
- Output supports Type 2 dual-mode DisplayPort for interoperability with 4K-capable devices – DTP R DP models
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- DTP output is compatible with HDBaseT-enabled devices – DTP T DP models
- Accepts additional analog stereo audio signals
- Bidirectional RS-232 and IR pass-through for AV device control
- Remote power capability
- HDCP compliant
- Supports DisplayPort data rates up to 10.8 Gbps
- Compatible with all DTP Series models and DTP-enabled products

DTP T DP 230

DTP R DP 230

4K/UHD

Model	Version Description	Part Number
DTP T DP 230	DisplayPort Transmitter - 230 feet (70 m)	60-1076-12
DTP T DP 330	DisplayPort Transmitter - 330 feet (100 m)	60-1076-52
DTP R DP 230	DisplayPort Receiver - 230 feet (70 m)	60-1076-13
DTP R DP 330	DisplayPort Receiver - 330 feet (100 m)	60-1076-53

For updated product availability, go to www.extron.com

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DTP SYSTEMS

DTP T HWP 232 D
Two Input DTP Transmitter for HDMI - Decora® Wallplate

The Extron DTP T HWP 232 D is a two input Decora®-style transmitter for sending HDMI, audio, and control up to 230 feet (70 meters) over a shielded CATx cable to Extron DTP-enabled products. It is HDCP compliant and provides two HDMI inputs, both with independent analog stereo audio connections. The DTP T HWP 232 D supports computer video up to 1920x1200, including HDTV 1080p/60 and 2K. The transmitter also offers many integrator-friendly features such as EDID Minder®, auto-switching between inputs, remote power capability, and bidirectional RS-232 and IR pass-through for remote AV device control. The wall-mountable design of the DTP T HWP 232 D provides the convenience of placing input connections precisely where they are needed.

FEATURES
- Transmits HDMI, control, and analog audio up to 230 feet (70 meters) over a shielded CATx cable
- Two HDMI inputs
- Auto-switching between inputs
- Supports computer video up to 1920x1200, including HDTV 1080p/60 and 2K
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- Independent analog audio inputs
- Bidirectional RS-232 and IR pass-through for AV device control
- Remote power capability
- HDCP compliant
- EDID Minder® automatically manages EDID communication between connected devices
- Supports EDID and HDCP transmission
- RS-232 control port
- Contact closure control port
- RJ-45 signal and link LED indicators for DTP port

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Model	Version Description	Part Number
DTP T HWP 232 D	Two Input Decora Transmitter - Black	60-1365-12
DTP T HWP 232 D	Two Input Decora Transmitter - White	60-1365-13

DTP T UWP 232 D
Two Input DTP Transmitter for HDMI and VGA - Decora® Wallplate

The Extron DTP T UWP 232 D is a two input Decora®-style transmitter for sending HDMI or analog video, audio, and control up to 230 feet (70 meters) over a shielded CATx cable to Extron DTP-enabled products. The transmitter provides one HDMI input and one VGA input, both with independent analog stereo audio connections. The DTP T UWP 232 D supports computer video up to 1920x1200, including 1080p/60 and 2K. It digitizes incoming analog video for reliable display on a variety of output devices. Integrator-friendly features include EDID Minder®, auto-switching between inputs, remote power capability, and bidirectional RS-232 and IR pass-through for remote AV device control. The wall-mountable design of the DTP T UWP 232 D provides the convenience of placing input connections precisely where they are needed.

FEATURES
- Transmits HDMI or analog video, control, and analog audio up to 230 feet (70 meters) over a shielded CATx cable
- One HDMI input and one VGA input
- Auto-switching between inputs
- Supports computer video up to 1920x1200, including HDTV 1080p/60 and 2K
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- Independent analog audio inputs
- Bidirectional RS-232 and IR pass-through for AV device control
- Remote power capability
- HDCP compliant
- EDID Minder® automatically manages EDID communication between connected devices
- Supports EDID and HDCP transmission
- RS-232 control port
- Contact closure control port
- RJ-45 signal and link LED indicators for DTP port

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Model	Version Description	Part Number
DTP T UWP 232 D	Two Input Decora Transmitter - Black	60-1366-12
DTP T UWP 232 D	Two Input Decora Transmitter - White	60-1366-13

DTP SYSTEMS

DTP T HWP 332 D

Long Distance Two Input DTP Transmitter for HDMI - Decora® Wallplate

The Extron DTP T HWP 332 D is a two input Decora®-style transmitter for sending HDMI, audio, and control up to 330 feet (100 meters) over a shielded CATx cable to Extron DTP 330-enabled products. It is HDCP compliant and provides two HDMI inputs, both with independent analog stereo audio connections. The DTP T HWP 332 D supports computer video up to 1920x1200, including HDTV 1080p/60 and 2K. The transmitter also offers many integrator-friendly features such as EDID Minder®, auto-switching between inputs, remote power capability, and bidirectional RS-232 and IR pass-through for remote AV device control. The wall-mountable design of the DTP T HWP 332 D provides the convenience of placing input connections precisely where they are needed.

FEATURES

- Transmits HDMI, control, and analog audio up to 330 feet (100 meters) over a shielded CATx cable
- Two HDMI inputs
- Auto-switching between inputs
- Supports computer video up to 1920x1200, including HDTV 1080p/60 and 2K
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- Independent analog audio inputs
- Bidirectional RS-232 and IR pass-through for AV device control
- Remote power capability
- HDCP compliant
- EDID Minder® automatically manages EDID communication between connected devices
- Supports EDID and HDCP transmission
- RS-232 control port
- Contact closure control port
- RJ-45 signal and link LED indicators for DTP port

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Model	Version Description	Part Number
DTP T HWP 332 D	Two Input Decora Transmitter - Black	60-1365-52
DTP T HWP 332 D	Two Input Decora Transmitter - White	60-1365-53

DTP T UWP 332 D

Long Distance Two Input DTP Transmitter for HDMI and VGA - Decora® Wallplate

The Extron DTP T UWP 332 D is a two input Decora®-style transmitter for sending HDMI or analog video, audio, and control up to 330 feet (100 meters) over a shielded CATx cable to Extron DTP 330-enabled products. The transmitter provides one HDMI input and one VGA input, both with independent analog stereo audio connections. The DTP T UWP 332 D supports computer video up to 1920x1200, including 1080p/60 and 2K. It digitizes incoming analog video for reliable display on a variety of output devices. Integrator-friendly features include EDID Minder®, auto-switching between inputs, remote power capability, and bidirectional RS-232 and IR pass-through for remote AV device control. The wall-mountable design of the DTP T UWP 332 D provides the convenience of placing input connections precisely where they are needed.

FEATURES

- Transmits HDMI or analog video, control, and analog audio up to 330 feet (100 meters) over a shielded CATx cable
- One HDMI input and one VGA input
- Auto-switching between inputs
- Supports computer video up to 1920x1200, including HDTV 1080p/60 and 2K
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- Independent analog audio inputs
- Bidirectional RS-232 and IR pass-through for AV device control
- Remote power capability
- HDCP compliant
- EDID Minder® automatically manages EDID communication between connected devices
- Supports EDID and HDCP transmission
- RS-232 control port
- Contact closure control port
- RJ-45 signal and link LED indicators for DTP port

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Model	Version Description	Part Number
DTP T UWP 332 D	Two Input Decora Transmitter - Black	60-1366-52
DTP T UWP 332 D	Two Input Decora Transmitter - White	60-1366-53

For updated product availability, go to www.extron.com

DTP SYSTEMS

DTP T USW 333
Three Input Switcher with Integrated Long Distance DTP Transmitter

The Extron DTP T USW 333 is a three input switcher for sending HDMI or analog video, audio, and control up to 330 feet (100 meters) over a shielded CATx cable to Extron DTP 330-enabled products. It is HDCP compliant and provides two HDMI inputs, one VGA or component video input, and one DTP 330 twisted pair output. The DTP T USW 333 supports computer video up to 1920x1200, including 1080p/60 and 2K. It digitizes incoming analog video for reliable display on a variety of output devices. The switcher also offers many integrator-friendly features such as EDID Minder®, auto-switching between inputs, audio input assignment, and remote power capability. These features, plus the low profile enclosure, make the DTP T USW 333 ideal for discreet placement in lecterns, beneath tables, or wherever needed to meet application requirements.

FEATURES
- Transmits HDMI or analog video, control, and analog audio up to 330 feet (100 meters) over a shielded CATx cable
- Two HDMI inputs and one VGA or component video input
- Auto-switching between inputs
- Supports computer video up to 1920x1200, including HDTV 1080p/60 and 2K
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- Bidirectional RS-232 and IR pass-through for AV device control
- Remote power capability
- Digital conversion of analog input signals
- HDCP compliant
- EDID Minder® automatically manages EDID communication between connected devices
- Supports EDID and HDCP transmission
- Front panel security lockout
- RS-232 control port
- Contact closure remote control with tally output
- LED indicators for signal presence, HDCP, and power
- RJ-45 signal and link LED indicators for DTP port
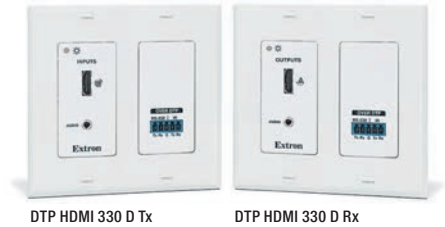
NOW SHIPPING

Model	Version Description	Part Number
DTP T USW 333	Three Input Switcher w/ DTP Transmitter	60-1329-52

DTP HDMI 330 D
Long Distance HDMI Twisted Pair Extender - Decora® Wallplate

The Extron DTP HDMI 330 D is a Decora®-style, long distance transmitter and receiver set for sending HDMI, audio, and bidirectional RS-232 and IR signals up to 330 feet (100 meters) over a shielded CATx cable. It provides an effective means for extending HDMI with embedded multi-channel audio from HDMI-equipped devices. In addition, the DTP HDMI 330 D accepts analog stereo audio signals for simultaneous transmission over the same twisted pair cable. It supports 1080p/60 Deep Color, 2560x1600, and 4K resolutions. The wall-mountable design and remote power capability of the DTP HDMI 330 D provide the convenience of placing input connections precisely where they are needed.

FEATURES
- Transmits HDMI plus control and analog audio up to 330 feet (100 meters) over a shielded CATx cable
- Supports computer video up to 2560x1600, HDTV 1080p/60 Deep Color, and 4K resolutions
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- Accepts additional analog stereo audio signals
- HDCP compliant
- Supports EDID and HDCP transmission
- Bidirectional RS-232 and IR pass-through for AV device control
- Remote power capability
- Compatible with all DTP 330 Series models and DTP 330-enabled products

DTP HDMI 330 D Tx   DTP HDMI 330 D Rx

4K/UHD

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Model	Version Description	Part Number
DTP HDMI 330 D Tx	Decora Transmitter - Black....................	60-1464-12
DTP HDMI 330 D Tx	Decora Transmitter - White...................	60-1464-13
DTP HDMI 330 D Rx	Decora Receiver - Black	60-1464-22
DTP HDMI 330 D Rx	Decora Receiver - White	60-1464-23

DTP SYSTEMS

DTP T EU
Two Input DTP Transmitters for EU-type Junction Boxes

The Extron DTP T EU 232 and DTP T EU 332 are compact, two input transmitters for sending HDMI or analog video, audio, and control over a shielded CATx cable to Extron DTP-enabled products. They are compatible with standard two-gang EU-type junction boxes for convenient installation in wall mount environments. The DTP T EU 232 extends signals up to 230 feet (70 meters), while the DTP T EU 332 extends signals up to 330 feet (100 meters). The transmitters provide one HDMI input and one VGA input, both with independent analog stereo audio connections. They support computer video up to 1920x1200, including 1080p/60 and 2K. Incoming analog video is digitized for reliable display on a variety of output devices. Integrator-friendly features include EDID Minder®, auto-switching between inputs and RS-232 remote control for simplified input selection, remote power capability, and bidirectional RS-232 and IR pass-through for remote AV device control. The wall-mountable design of the DTP T EU models provides the convenience of placing input connections precisely where they are needed.

FEATURES
- Designed to mount in a two-gang EU-type electrical junction box
- Transmits HDMI or analog video, control, and analog audio over a shielded CATx cable:
  Up to 230 feet (70 meters) – DTP T EU 232
  Up to 330 feet (100 meters) – DTP T EU 332
- One HDMI input and one VGA input
- Auto-switching between inputs
- Supports computer video up to 1920x1200, including HDTV 1080p/60 and 2K
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- DTP output is compatible with HDBaseT-enabled devices
- Independent analog audio inputs
- Bidirectional RS-232 and IR pass-through for AV device control
- Remote power capability
- EDID Minder® automatically manages EDID communication between connected devices
- RS-232 control port
- Compatible with all DTP Series receivers and DTP-enabled products

DTP T EU 332

Model	Version Description	Part Number
DTP T EU 232	2 Input EU Transmitter - 230 feet (70 m)	60-1439-12
DTP T EU 332	2 Input EU Transmitter - 330 feet (100 m).	60-1439-52

DTP T MK
Two Input DTP Transmitters for MK-type Junction Boxes

The Extron DTP T MK 232 and DTP T MK 332 are compact, two input transmitters for sending HDMI or analog video, audio, and control over a shielded CATx cable to Extron DTP-enabled products. They are compatible with standard two-gang MK-type junction boxes for convenient installation in wall mount environments. The DTP T MK 232 extends signals up to 230 feet (70 meters), while the DTP T MK 332 extends signals up to 330 feet (100 meters). The transmitters provide one HDMI input and one VGA input, both with independent analog stereo audio connections. They support computer video up to 1920x1200, including 1080p/60 and 2K. Incoming analog video is digitized for reliable display on a variety of output devices. Integrator-friendly features include EDID Minder®, auto-switching between inputs and RS-232 remote control for simplified input selection, remote power capability, and bidirectional RS-232 and IR pass-through for remote AV device control. The wall-mountable design provides the convenience of placing input connections precisely where they are needed.

FEATURES
- Designed to mount in a two-gang MK-type electrical junction box for the UK, Middle East, Singapore, Hong Kong, and other markets that use MK-type junction boxes
- Transmits HDMI or analog video, control, and analog audio over a shielded CATx cable:
  Up to 230 feet (70 meters) – DTP T MK 232
  Up to 330 feet (100 meters) – DTP T MK 332
- One HDMI input and one VGA input
- Auto-switching between inputs
- Supports computer video up to 1920x1200, including HDTV 1080p/60 and 2K
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- DTP output is compatible with HDBaseT-enabled devices
- Independent analog audio inputs
- Bidirectional RS-232 and IR pass-through for AV device control
- Remote power capability
- EDID Minder® automatically manages EDID communication between connected devices
- RS-232 control port
- Compatible with all DTP Series receivers and DTP-enabled products

DTP T MK 332

Model	Version Description	Part Number
DTP T MK 232	2 Input MK Transmitter - 230 feet (70 m)	60-1467-12
DTP T MK 332	2 Input MK Transmitter - 330 feet (100 m)	60-1467-52

Extron

DTP SYSTEMS

DTP T FB
Two Input DTP Transmitters for Floor Boxes

The Extron DTP T FB 232 and DTP T FB 332 are two input transmitters that are compatible with a variety of floor boxes, including those from OBO Bettermann, MK by Honeywell, Electraplan, and PUK. The DTP T FB 232 sends HDMI or VGA, audio, and control up to 230 feet (70 meters) over one shielded CATx cable, and the DTP T FB 332 sends these signals up to 330 feet (100 meters). Both models support computer video up to 1920x1200, including HDTV 1080p/60 and 2K. They feature automatic switching between inputs and RS-232 remote control for easy operation in unmanaged locations, plus assignment of the stereo analog audio input. They also support bidirectional RS-232 and IR pass-through for AV device control at remote locations. Designed for DTP Systems, the DTP T FB models can be remotely powered by Extron DTP CrossPoint® 84 matrix switchers or other DTP-enabled products.

FEATURES

- Designed to mount in a variety of floor boxes
- Transmits HDMI or analog video, control, and analog audio over a shielded CATx cable:
  Up to 230 feet (70 meters) – DTP T FB 232
  Up to 330 feet (100 meters) – DTP T FB 332
- One HDMI input and one VGA input
- Auto-switching between inputs
- Supports computer video up to 1920x1200, including HDTV 1080p/60 and 2K
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- DTP output is compatible with HDBaseT-enabled devices
- Accepts additional analog stereo audio signals
- Audio input assignment
- Bidirectional RS-232 and IR pass-through for AV device control
- Remote power capability
- EDID Minder® automatically manages EDID communication between connected devices
- Compatible with all DTP Series receivers and DTP-enabled products

Model	Version Description	Part Number
DTP T FB 232	2 Input DTP Tx for Floor Boxes - 230 feet (70 m)	60-1440-12
DTP T FB 332	2 Input DTP Tx for Floor Boxes - 330 feet (100 m)	60-1440-52

DTP AND XTP SYSTEMS

The Extron XTP DTP 24 Couplers and Punch Down Jacks are designed to work with Extron XTP DTP 24 Shielded Twisted Pair cable as part of the cable infrastructure for XTP Systems and DTP Series products. XTP DTP 24 cable and termination accessories are also recommended for use in HDBaseT systems. They are ideal for use in environments with high EMI/RFI interference. XTP DTP 24 Couplers and Punch Down Jacks are available in packages of 10, or in pre-populated AAP – Architectural Adapter Plate, MAAP – Mini Architectural Adapter Plate, and WPD – Wallplate-Decora form factors.

WPD 100 Series
Pass-Through Wallplates - Decora® for XTP DTP 24 Cable

WPD 102 C   WPD 102 P

NOW SHIPPING

Model	Version Description	Part Number
WPD 101 C	One XTP DTP 24 Coupler	70-1053-03
WPD 102 C	Two XTP DTP 24 Couplers	70-1055-03
WPD 101 P	One XTP DTP 24 Punch Down Jack	70-1054-03
WPD 102 P	Two XTP DTP 24 Punch Down Jacks	70-1056-03

Extron

XTP SYSTEMS

XTP T HWP 101
XTP Transmitter for HDMI - Decora® Wallplate

The Extron XTP T HWP 101 is a single-gang Decora®-style transmitter for sending HDMI with embedded audio up to 330 feet (100 meters) over a single shielded CATx cable. The one-gang form factor provides maximum space efficiency for convenient installation in wall mount, floor box, and furniture mount applications. The transmitter is HDCP compliant and supports computer video up to 1920x1200, including 1080p/60 Deep Color and 2K resolutions. It offers many of the integrator-friendly features that are standard with XTP® products, such as EDID Minder® and remote power capability. The single-gang XTP T HWP 101 works with XTP Systems® for signal distribution and long-distance transmission in wall-mount environments.

FEATURES
- Transmits HDMI with embedded audio up to 330 feet (100 m) over a shielded CATx cable
- Supports computer video up to 1920x1200, including HDTV 1080p/60 Deep Color and 2K
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- EDID Minder® automatically manages EDID communication between connected devices
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- Remote power capability
- Compatible with all XTP integrated system products

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Model	Version Description	Part Number
XTP T HWP 101	HDMI Decora Transmitter - Black	60-1407-12
XTP T HWP 101	HDMI Decora Transmitter - White	60-1407-13

XTP T UWP 202
Two Input XTP Transmitter - Decora® Wallplate

The XTP T UWP 202 and XTP T UWP 202 NL are two-input transmitters for sending HDMI or RGBHV video, audio, and bidirectional RS-232 and IR up to 330 feet (100 m) over a shielded CATx cable. The XTP T UWP 202 includes an Ethernet port on the front plate to enable Ethernet extension for LAN access. Incoming analog video signals are digitized for reliable display on a variety of output devices. The XTP® transmitters are HDCP compliant and support computer video to 1920x1200, including 1080p/60 Deep Color and 2K signals. These transmitters work with XTP Systems® for signal distribution and long-distance transmission in wall-mount environments.

FEATURES
- Transmits HDMI or digitized analog video, audio, and bidirectional RS-232 and IR up to 330 feet (100 m) over a shielded CATx cable
- HDMI and VGA inputs
- Supports computer video up to 1920x1200, including HDTV 1080p/60 Deep Color and 2K
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- Auto-switching between inputs
- Bidirectional RS-232 and IR insertion for AV device control
- EDID Minder® automatically manages EDID communication between connected devices
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- Ethernet extension - XTP T UWP 202
- Remote power capability
- RS-232 control
- Selectable analog stereo audio input embedding
- Compatible with all XTP integrated system products
- Mounts in an included two-gang Decora®-style wallplate

XTP T UWP 202   XTP T UWP 202 NL

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Model	Version Description	Part Number
XTP T UWP 202	2 Input Decora Transmitter Black	60-1216-12
XTP T UWP 202	2 Input Decora Transmitter White	60-1216-13
XTP T UWP 202 NL	2 Input Decora Transmitter No LAN Black	60-1410-12
XTP T UWP 202 NL	2 Input Decora Transmitter No LAN White	60-1410-13

For updated product availability, go to www.extron.com

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+31.33.453.4050 FAX	+971.4.299.1880 FAX	+65.6383.4664 FAX	+86.21.3760.1566 FAX	+81.3.3511.7656 FAX

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Extron

XTP SYSTEMS

XTP T EU 202
Two Input XTP Transmitter for EU-type Junction Boxes

The Extron XTP T EU 202 is a compact, two-input transmitter that sends HDMI or RGBHV video, audio, and control up to 330 feet (100 meters) over a shielded CATx cable. The XTP® transmitter is compatible with standard two-gang EU-type junction boxes for convenient installation in wall-mount environments. It supports computer video up to 1920x1200, including HDTV 1080p/60 Deep Color and 2K. Incoming analog video signals are digitized for reliable transmission, and separate analog stereo audio transmissions can be embedded onto the output signal. Features include automatic switching between inputs with selectable prioritization and insertion of bidirectional RS-232 and IR to enable remote AV device control. Designed for XTP Systems®, the XTP T EU 202 can be remotely powered by the XTP CrossPoint® matrix switcher.

FEATURES

- Designed to mount in a two-gang EU-type electrical junction box
- Transmits HDMI or digitized analog video, audio, and bidirectional RS-232 and IR up to 330 feet (100 meters) over a shielded CATx cable
- HDMI and VGA inputs
- Supports computer video up to 1920x1200, including HDTV 1080p/60 Deep Color and 2K
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- Auto-switching between inputs
- Bidirectional RS-232 and IR insertion for AV device control
- EDID Minder® automatically manages EDID communication between connected devices
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- Remote power capability
- RS-232 control
- Selectable analog stereo audio input embedding
- Compatible with all XTP integrated system products
- Available in RAL9010 white

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Model	Version Description	Part Number
XTP T EU 202	2 Input EU Transmitter	60-1358-35

XTP T MK 202
Two Input XTP Transmitter for MK-type Junction Boxes

The Extron XTP T MK 202 is a compact, two-input transmitter that sends HDMI or RGBHV video, audio, and control up to 330 feet (100 meters) over a shielded CATx cable. The XTP® transmitter is compatible with standard two-gang MK-type junction boxes for convenient installation in wall-mount environments. It supports computer video up to 1920x1200, including HDTV 1080p/60 Deep Color and 2K. Incoming analog video signals are digitized for reliable transmission, and separate analog stereo audio transmissions can be embedded onto the output signal. Features include automatic switching between inputs with selectable prioritization and insertion of bidirectional RS-232 and IR to enable remote AV device control. Designed for XTP Systems®, the XTP T MK 202 can be remotely powered by the XTP CrossPoint® matrix switcher.

FEATURES

- Designed to mount in a two-gang MK-type electrical junction box for the UK, Middle East, Singapore, Hong Kong, and other markets that use MK-type junction boxes
- Transmits HDMI or digitized analog video, audio, and bidirectional RS-232 and IR up to 330 feet (100 meters) over a shielded CATx cable
- HDMI and VGA inputs
- Supports computer video up to 1920x1200, including HDTV 1080p/60 Deep Color and 2K
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- Auto-switching between inputs
- Bidirectional RS-232 and IR insertion for AV device control
- EDID Minder® automatically manages EDID communication between connected devices
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- Remote power capability
- RS-232 control
- Selectable analog stereo audio input embedding
- Compatible with all XTP integrated system products

NOW SHIPPING

Model	Version Description	Part Number
XTP T MK 202	2 Input MK Transmitter.	60-1358-23

XTP SYSTEMS

XTP T FB 202
Two Input XTP Transmitter for Floor Boxes

The Extron XTP T FB 202 is a two-input transmitter that sends HDMI or RGBHV video, audio, control, and Ethernet up to 330 feet (100 m) over a shielded CATx cable. The XTP® transmitter is compatible with floor boxes from OBO Bettermann, MK by Honeywell, Electraplan, and PUK. It supports computer video up to 1920x1200, including HDTV 1080p/60 Deep Color and 2K. Incoming analog signals are digitized for reliable transmission, and separate analog stereo audio can be embedded onto the output signal. For easy operation in unmanaged locations, the transmitter features automatic switching between inputs with selectable prioritization and allows Ethernet extension and insertion of bidirectional RS-232 and IR for LAN access and remote AV device control. Designed for XTP Systems®, the XTP T FB 202 can be powered by the XTP CrossPoint® matrix switcher.

FEATURES
- Designed to mount in European floor boxes
- Transmits HDMI or digitized analog video, audio, bidirectional RS-232 and IR, and Ethernet up to 330 feet over a shielded CATx cable
- HDMI and VGA inputs
- Supports computer video up to 1920x1200, including HDTV 1080p/60 Deep Color and 2K
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- Auto-switching between inputs
- Bidirectional RS-232 and IR insertion for AV device control
- EDID Minder® automatically manages EDID communication between connected devices
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- Ethernet extension
- Remote power capability
- RS-232 control
- Selectable analog stereo audio input embedding
- Compatible with all XTP integrated system products

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Model	Version Description	Part Number
XTP T FB 202	2 Input XTP Transmitter for Floor Boxes	60-1383-12

XTP R HWP 201
XTP Receiver with 90° HDMI Connector for Wall-Mounted Displays

The Extron XTP R HWP 201 is a Decora®-style wallplate receiver for XTP Systems® that include wall-mounted displays. The HDMI output connector is oriented upward at a 90° angle, which minimizes stress on the cable and allows for a low-profile flat panel display installation. The receiver accepts XTP® signals from up to 330 feet (100 meters) away over a shielded CATx cable and outputs video, audio, bidirectional RS-232 and IR, and Ethernet to the display. It also provides HDMI audio de-embedding with analog stereo audio output and volume control. For simplified integration, the wallplate receiver can be remotely powered by the XTP CrossPoint® matrix switcher or via optional power injector. The XTP R HWP 201 is designed for use in XTP Systems to support long-distance signal transmission in wall-mount environments.

FEATURES
- Receives video with embedded audio, bidirectional RS-232 and IR, and Ethernet up to 330 feet (100 m) over a shielded CATx cable
- Unique low-profile wallplate design requires minimal space behind a flat panel display
- Supports computer video up to 1920x1200, including HDTV 1080p/60 Deep Color and 2K
- Compatible with CATx shielded twisted pair cable
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- Bidirectional RS-232 and IR insertion for AV device control
- Supported HDMI specification features include data rates up to 6.75 Gbps, Deep Color up to 12-bit, 3D, HD lossless audio formats, and CEC pass-through
- HDCP compliant
- Ethernet extension
- HDMI audio de-embedding with analog stereo audio outputs and volume control
- Remote power capability
- Mounts in an included two-gang Decora®-style wallplate

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Model	Version Description	Part Number
XTP R HWP 201	XTP Decora Receiver - Black	60-1367-22
XTP R HWP 201	XTP Decora Receiver - White	60-1367-23

For updated product availability, go to www.extron.com

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+31.33.453.4050 FAX	+971.4.299.1880 FAX	+65.6383.4664 FAX	+86.21.3760.1566 FAX	+81.3.3511.7656 FAX

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Extron

EXTRON PRO SERIES CONTROL PRODUCTS

Extron Pro Series Control Products – Introducing a New Era of Control Capabilities

For over a dozen years, Extron has been the industry leader in configurable control systems and has provided products with the power to handle the needs of professional AV applications. We are now very pleased to announce a whole new era for Extron control systems. Extron Pro Series Control Systems expand AV control capabilities with advanced configuration software, exciting new touchpanels, more powerful processing, and a broad range of other enhancements designed to support the evolving complexities of today's AV system designs. Extron Pro Series control systems includes more than 40 new products, all backed by the S³ customer support you trust.

New Powerful Configuration Software

The latest version of our Global Configurator software provides the most powerful and versatile AV control system configuration tools we have ever offered to AV system integrators. It is ideal for a wide variety of control systems and applications, and helps streamline integration within today's demanding AV control environments. Within this latest version, advanced features, such as conditional logic, variables, and macros provide even greater flexibility for more elaborate control system designs. Global Configurator has two modes. Global Configurator Plus is ideal for smaller scale applications requiring one control processor and one control interface as well as a mirrored interface. Global Configurator Professional includes all of the powerful features within Global Configurator Plus with the addition of expanded features that make it especially suited for applications requiring multiple control processors, enhanced functionality, and advanced configuration.

Support BYOD with Extron LinkLicense

Extron is introducing a new concept in user friendly control system design. A LinkLicense™ is a simple way for people to use their mobile devices or computers as a primary control interface in an Extron control system. This new option gives integrators the freedom to choose control interfaces based on their customers' specific needs. LinkLicense answers requests from customers to provide users the freedom to use their own tablets and laptops as the primary method of control within presentation environments so they may roam freely around the room. All new IPCP Pro control processors may be purchased with or without a LinkLicense.

New Larger, More Powerful Touchpanels

We have introduced 12 new TouchLink Pro touchpanels with faster processing and more memory. Five of these are in new 5", 12", and 15" sizes with vibrant, capacitive touchscreens. The two largest sizes have high resolution video preview and a bold new design with edge-to-edge glass.

TouchLink Interface – Use a Third Party Touchscreen for Control

The Extron TLI Pro 101 is a TouchLink Interface that allows a third party touchscreen display to be used as a control interface within an Extron Pro Series control system. An HDMI input provides video preview and a scaled HDMI output supports displays from 800x600 to 1920x1200, as well as HDTV 1080p/60. Power over Ethernet - PoE allows the TLI Pro 101 to receive power and communications over a single Ethernet cable. The TLI Pro 101 is ideal for control applications that require a fully customizable third party touchscreen interface with multi-source video preview and a scalable, high resolution HDMI output.

Eight New Control Processors

Our eight new IP Link Pro control processors are faster, more secure, and more powerful than ever. Built-in Gigabit Ethernet and new network protocols allow fast and secure connections. When combined with our new Global Configurator Plus and Global Configurator Professional configuration software, these control processors are capable of enhanced functions including conditional logic as well as advanced scheduling and monitoring.

Extron

CONTROL SYSTEM CONFIGURATION SOFTWARE

Global Configurator Plus and Global Configurator Professional
Powerful Configuration Software for AV Control Systems

Global Configurator is Extron's most powerful and versatile control system configuration software. It is ideal for a wide variety of control systems and applications, and helps streamline integration within today's demanding AV control environments. Within this latest version, powerful features, such as conditional logic, variables, and macros provide even greater flexibility for more elaborate control system designs. Global Configurator has two modes. **Global Configurator Plus** is ideal for smaller scale applications requiring one control processor and one control interface. **Global Configurator Professional** duplicates all of the powerful features within Global Configurator Plus but is especially suited for applications requiring multiple control processors, enhanced functionality, and advanced configuration.

Powerful Features

New features within Global Configurator offer enhanced flexibility when configuring systems. For example, conditional logic allows advanced functionality with the addition of "if" and "else" statements. With the help of Conditional Logic, one can easily set up operations that are dependent upon occurrence and non-occurrence of certain events. The controller templates feature helps create a baseline configuration that can be reused to create identical control systems.

Global Configurator Professional

NOW AVAILABLE

Enhanced Functionality for Larger Control Systems

With Global Configurator Professional, the Controller Groups feature allows up to four control processors to be grouped together and work as one big controller. This feature is required to serve the needs of advanced systems that require more control ports than a single control processor would have. Grouping the control processors will also reduce the need for long RS-232 cable runs, as the group can span several rooms instead of being limited to a single room. Existing Pro Series control systems benefit with this added feature as this provides an opportunity for easy expansion.

New Drivers Enable Greater System Capabilities

A new class of drivers brings greater AV system performance and capabilities. The new Serial over Ethernet drivers expand control capabilities through devices such as Extron XTP Systems that are capable of IP to serial direct port control. Another new driver feature increases configuration speed and efficiency by centralizing the parameter changes of a command. Instead of having to enter many parameter values, a technician can enter one value that will then be automatically set for multiple instances of that command.

Adding New Equipment is Fast and Easy

Configuration changes may be required when a controlled device is replaced or additional functionality is desired. With Global Configurator Professional, modifying a configuration is fast and easy. The program creates and stores unique configuration files, which can be recalled whenever changes are required.

Model	Version Description	Part Number
Global Configurator Plus and Global Configurator Professional	Configuration Software 79-544-01	

Features	Global Configurator Plus	Global Configurator Professional
Control Processors supported per system	1	4
Touchpanels supported per system	1 Primary 1 Mirrored	8
Ethernet Drivers supported	8	32
Controller Groups	No	Yes
Macros	Yes	Yes
User Defined Commands supported	Yes	Yes
Controller Templates	Yes	Yes
Conditional Logic	Yes	Yes
Local Variables	Yes	Yes
Library of Extron Certified Drivers	Yes	Yes
Virtual Touchlink support	Yes	Yes
GUI Design Software	GUI Designer	GUI Designer
LinkLicense Support	Yes	Yes

For updated product availability, go to www.extron.com

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+31.33.453.4050 FAX	+971.4.299.1880 FAX	+65.6383.4664 FAX	+86.21.3760.1566 FAX	+81.3.3511.7656 FAX

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Extron

LINK LICENSE

LinkLicense
Use Third Party Devices as Primary Control Interfaces

Extron LinkLicense™ is a quick, cost-effective way for people to use their mobile devices or computers as primary control interfaces in an Extron control system. When combined with an Extron IPCP Pro control processor and Extron's TouchLink for iPad App, BYOD room control is easier than ever. Simply open the App or Web browser and gain instant access to the room's AV. The intuitive, custom-built GUI interface allows full control of source devices, sound, lighting - anything you can control with a standard touchpanel, but with the convenience of using your own device. Behind the scenes, you'll have the added power and security inherent in all Extron Pro Series control products. LinkLicense is applied per-system, not per-user, and there are no hidden costs. All new IPCP Pro control processors may be purchased with or without LinkLicense.

FEATURES
- Cut costs by using a single license per system, not per user
- Operates seamlessly with the TouchLink App
- Use in a system where a TouchLink Pro touchpanel may not be present
- Make system operation more convenient for the user
- Save money by using low cost Extron Apps for control
- Simplify deployment of BYOD – Bring Your Own Device control designs
- Ease support by standardizing on a consistent BYOD control approach across your organization
- Streamline the purchasing process and reduce administrative burdens
- Enable user interfaces that are customized for your user's devices or the application needs

For more information on Extron LinkLicense, please contact your Extron Customer Support Representative, or visit www.extron.com/LL

NOW AVAILABLE

Model	Version Description	Part Number
LinkLicense	LinkLicense	79-2546-01

Three Easy Steps to use mobile devices or computers as primary control interfaces in an Extron Control System:

Step 1
Purchase an Extron IPCP Pro Series Control Processor with a LinkLicense included or add a LinkLicense to an existing IPCP Pro control processor.

Step 2
Create a custom user interface and configure your control system using Global Configurator Plus or Professional.

Step 3
Upload your user interface designs and use your mobile device or computer to control the system.

USER INTERFACE DESIGN SOFTWARE

GUI Designer
Free Design Software for User Interfaces

Extron GUI Designer is a software application used for the design, creation, and maintenance of Extron TouchLink® Pro user interfaces. Begin with ready-to-use design templates and resource kits, or start from scratch and build your own layout using our comprehensive software. The available design elements are fully customizable and matched carefully to popular AV system applications. In many cases, all the input sources, display control, and environmental settings are already in place. These resources are fully developed and include complete, detailed documentation.

FEATURES
- Available for free from www.extron.com
- No graphic design skills required
- Includes ready-to-use templates for popular AV system applications
- Complete resource library of customizable elements
- Dynamic Scaling for easy conversion of GUI designs between different touchpanels
- Easily modify templates, or start from scratch for a fully customized layout

GUI Designer

NOW AVAILABLE

Model	Version Description	Part Number
GUI Designer	User Interface Design Software	79-574-01

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RESOURCE MANAGEMENT SOFTWARE

GlobalViewer Enterprise
Server-Based AV Resource Management Software

GlobalViewer® Enterprise takes enterprise-wide scheduling, monitoring, and help-desk functionality to a new level. Building on an already powerful feature set, this latest version, 2.2, provides a host of new and enhanced features that streamline and simplify many common AV tasks. Microsoft® .NET® technology allows GlobalViewer Enterprise to integrate with third-party facility scheduling software for viewing room availability and managing meeting schedules. GlobalViewer Enterprise 2.0, and later, supports configurations created in Extron Global Configurator 3.5.x, as well as the newly-introduced Global Configurator Plus and Professional configuration software.

Powerful AV System Management

GlobalViewer Enterprise is a powerful resource management tool that is designed to leverage the security, data, and access control capabilities of Microsoft Windows Server.

AV and IT support teams will appreciate the agility and flexibility GlobalViewer Enterprise provides to access usage data, create reports, and control the system from any computer on the LAN or WAN. The Help Desk view offers one to observe the entire enterprise in a single window and gain access to detailed room data with just a click of a mouse. GlobalViewer Enterprise also supports integration of third-party control systems.
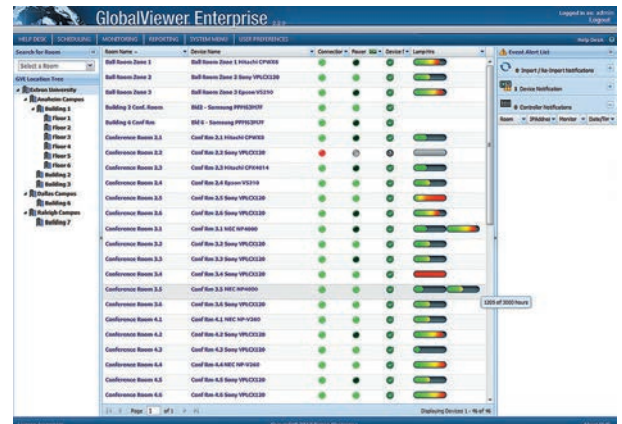
Expanded Help Desk Views

What's New in GlobalViewer Enterprise 2.2

NOW AVAILABLE

Support for Pro and Plus Series Control Products
GlobalViewer Enterprise now supports configurations created in Extron Global Configurator Plus and Professional.

Updated Reporting User Interface
With GVE 2.2, the report generation can be scheduled and automated with the help of an easy to use user interface.

More flexible input source usage reporting
Global Configurator Plus and Professional will allow users greater flexibility in reporting input source usage to GVE, which will better support touchpanel and scaling systems.

GVE Room Events
Allow GVE to trigger customized sets of actions from control systems managed by it.

Global Configurator Plus and Professional upload to GVE
The auto upload options will be provided in GC Plus and Pro to enable the configuration to be pushed directly to GVE without needing to import the configuration after every update to the system from GVE.

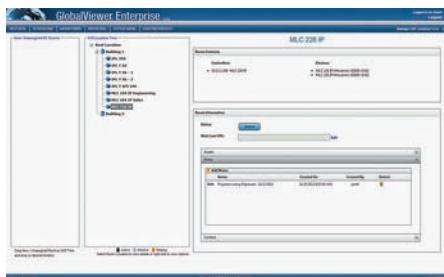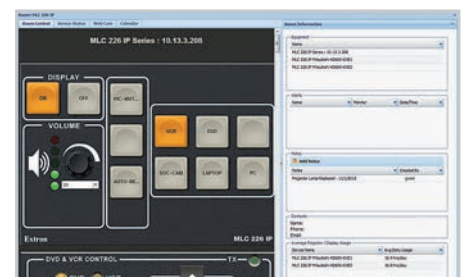| Model	Version Description	Part Number
GlobalViewer Enterprise Update	Resource Mngmnt Software Update	29-096-03

Enhanced Tree Manager
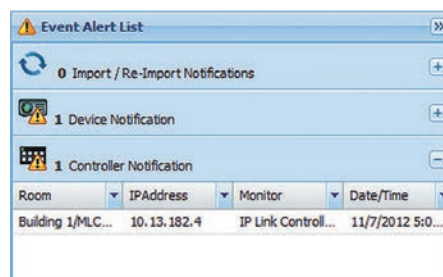
Enhanced Event Alert List

Streamlined Room Control Terminal

For updated product availability, go to www.extron.com

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TOUCHLINK PRO SERIES TOUCHPANELS

TLP Pro 1520MG
15" Wall Mount TouchLink Pro Touchpanel

The Extron TLP Pro 1520MG is a 15" wall mount touchpanel with a capacitive, edge-to-edge glass touchscreen. As with all TouchLink® Pro models, this new, customizable touchpanel features faster processing and more memory. The 1366x768 capacitive touchscreen provides a vibrant image and a more responsive control surface. The TLP Pro 1520MG features video preview inputs that support high resolution HDCP-compliant video from HDMI sources and Extron XTP devices. The touchpanel conveniently receives power and communications over a single Ethernet cable. The TLP Pro 1520MG has a bold, clean, high tech design and features that make it ideal for control applications that require a fully-customizable wall mount touchpanel with a large control surface and multi-source video preview.

FEATURES
- 15" capacitive touchscreen with 1366x768 resolution and 16 million colors
- Faster processing and more memory
- Full-motion video preview and monitoring with HDMI and XTP inputs

- Compatible with all IP Link Pro control processors
- Touchpanel receives power and control over a single Ethernet cable, eliminating the need for a local power supply - Power injector included
- Built-in speakers provide stereo audio
- Light sensor adjusts screen brightness as the ambient room lighting changes
- Configurable red and green status lights indicate a room's availability or call status
- System connection status indicator provides visual feedback if the touchpanel is not communicating with a control processor
- Two high speed USB 2.0 ports
- 3.5mm headphone jack provides local audio out from the touchpanel
- Automatic clock synchronization allows touchpanel to display the accurate time and date
- Energy-saving features:
  - Adjustable sleep timer puts touchpanel into sleep mode
  - Motion detector wakes touchpanel
- Mounts on a wall, lectern, or any flat surface

Model	Version Description	Part Number
TLP Pro 1520MG	Black w/Power Inj - Wall	60-1342-02

TLP Pro 1520TG
15" Tabletop TouchLink Pro Touchpanel

The Extron TLP Pro 1520TG is a 15" tabletop touchpanel with a capacitive, edge-to-edge glass touchscreen. As with all TouchLink® Pro models, this new, customizable touchpanel features faster processing and more memory. The 1366x768 capacitive touchscreen provides a vibrant image and a more responsive control surface. The TLP Pro 1520TG features video preview inputs that support high resolution HDCP-compliant video from HDMI sources and Extron XTP devices. The touchpanel conveniently receives power and communications over a single Ethernet cable. The TLP Pro 1520TG has a bold, clean, high-tech design and features that make it ideal for control applications that require a fully-customizable tabletop touchpanel with a large control surface and multi-source video preview.

FEATURES
- 15" capacitive touchscreen with 1366x768 resolution and 16 million colors
- Faster processing and more memory
- Full-motion video preview and monitoring with HDMI and XTP inputs

- Compatible with all IP Link Pro control processors
- Touchpanel receives power and control over a single Ethernet cable, eliminating the need for a local power supply - Power injector included
- Built-in speakers provide stereo audio
- Light sensor adjusts screen brightness as the ambient room lighting changes
- Configurable red and green status lights indicate a room's availability or call status
- System connection status indicator provides visual feedback if the touchpanel is not communicating with a control processor
- Two high speed USB 2.0 ports
- 3.5mm headphone jack provides local audio out from the touchpanel
- Automatic clock synchronization allows touchpanel to display the accurate time and date
- Energy-saving features:
  - Adjustable sleep timer puts touchpanel into sleep mode
  - Motion detector wakes touchpanel
- Sits on a tabletop or installs on a VESA mount

Model	Version Description	Part Number
TLP Pro 1520TG	Black w/Power Inj - Tabletop & VESA	60-1343-02

TOUCHLINK PRO SERIES TOUCHPANELS

TLP Pro 1220MG
12" Wall Mount TouchLink Pro Touchpanel

The Extron TLP Pro 1220MG is a 12" wall mount touchpanel with a capacitive, edge-to-edge glass touchscreen. As with all TouchLink® Pro models, this new, customizable touchpanel features faster processing and more memory. The 1280x800 capacitive touchscreen provides a vibrant image, more responsive control surface, and increased vertical viewing angle. The TLP Pro 1220MG features video preview inputs that support high resolution HDCP-compliant video from HDMI sources and Extron XTP devices. The touchpanel conveniently receives power and communications over a single Ethernet cable. The TLP Pro 1220MG has a bold, high-tech design and features that make it ideal for control applications that require a fully-customizable wall mount touchpanel with a large control surface and multi-source video preview.

FEATURES

- 12" capacitive touchscreen with 1280x800 resolution and 16 million colors
- Faster processing and more memory
- Full-motion video preview and monitoring with HDMI and XTP inputs

- Compatible with all IP Link Pro control processors
- Touchpanel receives power and control over a single Ethernet cable, eliminating the need for a local power supply - Power injector included
- Built-in speakers provide stereo audio
- Light sensor adjusts screen brightness as the ambient room lighting changes
- Configurable red and green status lights indicate a room's availability or call status
- System connection status indicator provides visual feedback if the touchpanel is not communicating with a control processor
- Two high speed USB 2.0 ports
- 3.5mm headphone jack provides local audio out from the touchpanel
- Automatic clock synchronization allows touchpanel to display the accurate time and date
- Energy-saving features:
  - Adjustable sleep timer puts touchpanel into sleep mode
  - Motion detector wakes touchpanel
- Mounts on a wall, lectern, or any flat surface

Model	Version Description	Part Number
TLP Pro 1220MG	Black w/Power Inj - Wall	60-1340-02

TLP Pro 1220TG
12" Tabletop TouchLink Pro Touchpanel

The Extron TLP Pro 1220TG is a 12" tabletop touchpanel with a capacitive, edge-to-edge glass touchscreen. As with all TouchLink® Pro models, this new, customizable touchpanel features faster processing and more memory. The 1280x800 capacitive touchscreen provides a vibrant image, more responsive control surface, and increased vertical viewing angle. The TLP Pro 1220TG features video preview inputs that support high resolution HDCP-compliant video from HDMI sources and Extron XTP devices. The touchpanel conveniently receives power and communications over a single Ethernet cable. The TLP Pro 1220TG has a bold, clean, high-tech design and features that make it ideal for control applications that require a fully-customizable tabletop touchpanel with a large control surface and multi-source video preview.

FEATURES

- 12" capacitive touchscreen with 1280x800 resolution and 16 million colors
- Faster processing and more memory
- Full-motion video preview and monitoring with HDMI and XTP inputs

- Compatible with all IP Link® Pro control processors
- Touchpanel receives power and control over a single Ethernet cable, eliminating the need for a local power supply - Power injector included
- Built-in speakers provide stereo audio
- Light sensor adjusts screen brightness as the ambient room lighting changes
- Configurable red and green status lights indicate a room's availability or call status
- System connection status indicator provides visual feedback if the touchpanel is not communicating with a control processor
- Two high speed USB 2.0 ports
- 3.5mm headphone jack provides local audio out from the touchpanel
- Automatic clock synchronization allows touchpanel to display the accurate time and date
- Weighted base allows up to 40° of tilt
- Energy-saving features:
  - Adjustable sleep timer puts touchpanel into sleep mode
  - Motion detector wakes touchpanel

Model	Version Description	Part Number
TLP Pro 1220TG	Black w/Power Inj - Tabletop & VESA	60-1341-02

For updated product availability, go to www.extron.com

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TOUCHLINK PRO SERIES TOUCHPANELS

TLP Pro 520M
5" Wall Mount TouchLink Pro Touchpanel

The Extron TLP Pro 520M is a 5" wall mount touchpanel with a capacitive glass touchscreen. As with all TouchLink® Pro models, this new customizable touchpanel features faster processing and more memory. It is the first Extron touchpanel that can be mounted in both portrait and landscape orientations. The 800x480 capacitive touchscreen provides a vibrant image and more responsive control surface. Power over Ethernet PoE allows the touchpanel to receive power and communications over a single Ethernet cable. The TLP Pro 520M features a similar design as our legacy TouchLink touchpanels, allowing it to easily blend in with existing Extron technology in your facility. It is ideal for any AV application requiring a compact, capacitive screen touchpanel with flexible mounting options and a fully customizable interface.

FEATURES
- 5" capacitive touchscreen with 800x480 resolution and 16 million colors
- Faster processing and more memory
- Compatible with all IP Link Pro control processors
- Power over Ethernet allows the touchpanel to receive power and control over a single Ethernet cable, eliminating the need for a local power supply - PoE injector sold separately
- Built-in speaker with improved audio performance
- Light sensor adjusts screen brightness as the ambient room lighting changes
- Configurable red and green status lights indicate a room's availability or call status
- Mounts on a wall, lectern, or any flat surface including glass
- Can be mounted in either portrait or landscape orientations

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Model	Version Description	Part Number
TLP Pro 520M	Black - Wall Mount	60-1185-02

TLP Pro 1020M
10" Wall Mount TouchLink Pro Touchpanel

The Extron TLP Pro 1020M is a 10" wall mount touchpanel with a high resolution, LCD touchscreen. As with all TouchLink® Pro models, this new customizable touchpanel features faster processing and more memory. Power over Ethernet PoE allows the touchpanel to receive power and communications over a single Ethernet cable. The TLP Pro 1020M features the same contemporary design as our legacy TouchLink touchpanels, allowing it to easily blend in with existing Extron technology in your facility. It is ideal for any AV application requiring a large, wall-mountable touchpanel with a fully customizable interface.

FEATURES
- 10" LCD touchscreen with 1024x600 resolution and 18-bit color depth
- Faster processing and more memory
- Compatible with all IP Link Pro control processors
- Power over Ethernet allows the touchpanel to receive power and control over a single Ethernet cable, eliminating the need for a local power supply - PoE injector sold separately
- Built-in speakers with improved audio performance
- Light sensor adjusts screen brightness as the ambient room lighting changes

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Model	Version Description	Part Number
TLP Pro 1020M	Black - Wall	60-1392-02
TLP Pro 1020M	White - Wall	60-1392-03

TLP Pro 1020T
10" Tabletop TouchLink Pro Touchpanel

The Extron TLP Pro 1020T is a 10" tabletop touchpanel with a high resolution, LCD touchscreen. As with all TouchLink® Pro models, this new customizable touchpanel features faster processing and more memory. Power over Ethernet PoE allows the touchpanel to receive power and communications over a single Ethernet cable. The TLP Pro 1020T features the same contemporary design as our legacy TouchLink touchpanels, allowing it to easily blend in with existing Extron technology in your facility. It is ideal for any AV application requiring a large, tabletop touchpanel with a fully customizable interface.

FEATURES
- 10" LCD touchscreen with 1024x600 resolution and 18-bit color depth
- Faster processing and more memory
- Compatible with all IP Link Pro control processors
- Power over Ethernet allows the touchpanel to receive power and control over a single Ethernet cable, eliminating the need for a local power supply - PoE injector sold separately
- Built-in speakers with improved audio performance
- Light sensor adjusts screen brightness as the ambient room lighting changes

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Model	Version Description	Part Number
TLP Pro 1020T	Black - Tabletop & VESA	60-1393-02

TOUCHLINK PRO SERIES TOUCHPANELS

TLP Pro 720C
7" Cable Cubby TouchLink Pro Touchpanel

The Extron TLP Pro 720C is a 7" Cable Cubby touchpanel with a flip-up, LCD touchscreen. As with all TouchLink® Pro models, this new customizable touchpanel features faster processing and more memory. Power over Ethernet PoE allows the touchpanel to receive power and communications over a single Ethernet cable. The TLP Pro 720C is built into an all metal, cable cubby enclosure that can be mounted securely into a tabletop, lectern, or other flat surface. It is ideal for any AV application requiring a full-size, Cable Cubby touchpanel with a customizable interface.

FEATURES
- 7" flip-up LCD touchscreen with 800x480 resolution and 18-bit color depth
- Faster processing and more memory
- Compatible with all IP Link Pro control processors
- Power over Ethernet allows the touchpanel to receive power and control over a single Ethernet cable, eliminating the need for a local power supply - PoE injector sold separately
- Built-in speaker with improved audio performance
- Cable Cubby design offers easy access to AV, data, and power connections

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Model	Version Description	Part Number
TLP Pro 720C	Black - w/US AC Module	60-1396-020A
TLP Pro 720C	Black - w/o AC Module	60-1396-0200
TLP Pro 720C	Brushed Alum - w/o AC Module	60-1396-0210

TLP Pro 720M
7" Wall Mount TouchLink Pro Touchpanel

The Extron TLP Pro 720M is a 7" wall mount touchpanel with a high resolution, LCD touchscreen. As with all TouchLink Pro models, this new customizable touchpanel features faster processing and more memory. Power over Ethernet PoE allows the touchpanel to receive power and communications over a single Ethernet cable. The TLP Pro 720M features the same contemporary design as our legacy TouchLink touchpanels, allowing it to easily blend in with existing Extron technology in your facility. It is ideal for any AV application requiring a full-size, wall-mountable touchpanel with a fully customizable interface.

FEATURES
- 7" LCD touchscreen with 800x480 resolution and 18-bit color depth
- Faster processing and more memory
- Compatible with all IP Link Pro control processors
- Power over Ethernet allows the touchpanel to receive power and control over a single Ethernet cable, eliminating the need for a local power supply - PoE injector sold separately
- Built-in speaker with improved audio performance
- Light sensor adjusts screen brightness as the ambient room lighting changes

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Model	Version Description	Part Number
TLP Pro 720M	Black - Wall	60-1394-02
TLP Pro 720M	White - Wall	60-1394-03

TLP Pro 720T
7" Tabletop TouchLink Pro Touchpanel

The Extron TLP Pro 720T is a 7" tabletop touchpanel with a high resolution, LCD touchscreen. As with all TouchLink® Pro models, this new customizable touchpanel features faster processing and more memory. Power over Ethernet PoE allows the touchpanel to receive power and communications over a single Ethernet cable. The TLP Pro 720T features the same contemporary design as our legacy TouchLink touchpanels, allowing it to easily blend in with existing Extron technology in your facility. It is ideal for any AV application requiring a full-size, tabletop touchpanel with a fully customizable interface.

FEATURES
- 7" LCD touchscreen with 800x480 resolution and 18-bit color depth
- Faster processing and more memory
- Compatible with all IP Link Pro control processors
- Power over Ethernet allows the touchpanel to receive power and control over a single Ethernet cable, eliminating the need for a local power supply - PoE injector sold separately
- Built-in speaker with improved audio performance
- Light sensor adjusts screen brightness as the ambient room lighting changes

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Model	Version Description	Part Number
TLP Pro 720T	Black - Tabletop & VESA	60-1395-02

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+31.33.453.4050 FAX	+971.4.299.1880 FAX	+65.6383.4664 FAX	+86.21.3760.1566 FAX	+81.3.3511.7656 FAX

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TOUCHLINK PRO SERIES TOUCHPANELS

TLP Pro 320C
3.5" Cable Cubby TouchLink Pro Touchpanel

The Extron TLP Pro 320C is a 3.5" Cable Cubby touchpanel with a flip-up, LCD touchscreen. As with all TouchLink® Pro models, this new customizable touchpanel features faster processing and more memory. Power over Ethernet PoE allows the touchpanel to receive power and communications over a single Ethernet cable. The TLP Pro 320C is built into an all metal, cable cubby enclosure that can be mounted securely into a tabletop, lectern, or other flat surface. It is ideal for any AV application requiring a compact, Cable Cubby touchpanel with a fully customizable interface.

FEATURES
- 3.5" flip-up LCD touchscreen with 320x240 resolution and 18-bit color depth
- Faster processing and more memory
- Compatible with all IP Link Pro control processors
- Power over Ethernet allows the touchpanel to receive power and control over a single Ethernet cable, eliminating the need for a local power supply - PoE injector sold separately
- Built-in speaker with improved audio performance
- Cable Cubby design offers easy access to AV, data, and power connections

Model	Version Description	Part Number
TLP Pro 320C	Black - w/US AC Module	60-1452-020A
TLP Pro 320C	Black - w/o AC Module	60-1452-0200
TLP Pro 320C	Brushed Alum - w/o AC Module	60-1452-0210

TLP Pro 320M
3.5" Wall Mount TouchLink Pro Touchpanel

The Extron TLP Pro 320M is a 3.5" wall mount touchpanel with an LCD touchscreen. As with all TouchLink® Pro models, this new customizable touchpanel features faster processing and more memory. Power over Ethernet PoE allows the touchpanel to receive power and communications over a single Ethernet cable. The TLP Pro 320M features a sleek, rounded bezel that compliments the aesthetics in any AV environment. It is ideal for AV applications requiring a compact, wall-mountable touchpanel with a fully customizable interface.

FEATURES
- 3.5" LCD touchscreen with 320x240 resolution and 18-bit color depth
- Faster processing and more memory
- Compatible with all IP Link Pro control processors
- Power over Ethernet allows the touchpanel to receive power and control over a single Ethernet cable, eliminating the need for a local power supply - PoE injector sold separately
- Built-in speaker with improved audio performance
- Light sensor adjusts screen brightness as the ambient room lighting changes

Model	Version Description	Part Number
TLP Pro 320M	Black & White Bezels - Wall	60-1451-02

TLI Pro 101
TouchLink Interface

The Extron TLI Pro 101 is a TouchLink® Interface that allows a third party touchscreen display to be used as a point of control within an Extron Pro Series control system. This unique interface includes a scaled HDCP-compliant HDMI input for video preview. The scaled output supports displays from 800x600 to 1920x1200, as well as HDTV 1080p/60 and 2K. The TLI Pro 101 works with any Extron IP Link® Pro control processor, enabling third party touchscreen devices to be used for complete, interactive control of a broad range of source devices.

FEATURES
- Compatible with third party touchscreen displays up to 1920x1200, including HDTV 1080p/60 and 2K
- Fast processing and ample memory
- Compatible with all IP Link Pro control processors
- Power over Ethernet allows the interface to receive power and control over a single Ethernet cable, eliminating the need for a local power supply - PoE injector sold separately
- Supports HDCP-compliant HDMI for full-motion video preview and monitoring
- Advanced Extron video signal processing with a high performance scaling engine
- One high speed USB 2.0 port for third-party touchscreens or HID support
- 1U, half rack width metal enclosure

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Model	Version Description	Part Number
TLI Pro 101	TouchLink Interface	60-1083-01

IP LINK PRO SERIES CONTROL PROCESSORS

IPCP Pro 550
IP Link Pro Control Processor

The Extron IPCP Pro 550 is a versatile, high-performance control processor designed for centralized AV control in larger applications. As part of the new IP Link® Pro Series, the IPCP Pro 550 is engineered to be faster and more secure in almost every way. It features advanced security standards and Gigabit Ethernet, which ensures compatibility with multiple TouchLink® Pro touchpanels using today's network infrastructure. It also supports Extron LinkLicense™ that enables the use of third party devices as primary control interfaces. The IPCP Pro 550 is an ideal choice for controlling multiple devices and signal types within an AV system.

FEATURES
- Supports TouchLink Pro touchpanels
- Supports secure industry standard communications protocols
- Supports LinkLicense
- Six bidirectional RS-232 serial ports with software handshaking
- Two bidirectional RS-232/RS-422/RS-485 serial ports with hardware and software handshaking
- Eight IR/Serial ports for one-way control of external devices
- Four Flex I/O ports
- Supports popular BMS – Building Management System protocols, such as BACnet, KNX, and DALI

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Model	Version Description	Part Number
IPCP Pro 550	IP Link Pro Control Processor	60-1418-01
IPCP Pro 550	IP Link Pro Control Proc. w/LinkLicense	60-1418-01A

IPCP Pro 350
IP Link Pro Control Processor

The Extron IPCP Pro 350 is a versatile, high-performance control processor designed for centralized AV control in mid-sized applications. As part of the IP Link® Pro Series, the IPCP Pro 350 is engineered to be faster and more secure in almost every way. It features advanced security standards and Gigabit Ethernet, which ensures compatibility with multiple TouchLink® Pro touchpanels using today's network infrastructure. It also supports Extron LinkLicense™ which enables the use of third party devices as primary control interfaces. The IPCP Pro 350 is an ideal choice for controlling multiple devices and signal types within an AV system.

FEATURES
- Supports TouchLink Pro touchpanels
- Supports secure industry standard communications protocols
- Supports LinkLicense
- Two bidirectional RS-232 serial ports with software handshaking
- One bidirectional RS-232/RS-422/RS-485 serial port with hardware and software handshaking
- Two IR/Serial ports for one-way control of external devices
- Four Digital I/O ports
- Supports popular BMS – Building Management System protocols, such as BACnet, KNX, and DALI

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Model	Version Description	Part Number
IPCP Pro 350	IP Link Pro Control Processor	60-1417-01
IPCP Pro 350	IP Link Pro Control Proc. w/LinkLicense	60-1417-01A

IPCP Pro 250
IP Link Pro Control Processor

The Extron IPCP Pro 250 is a versatile, high-performance control processor designed for centralized AV control in small to medium-size applications. As part of the new IP Link® Pro Series, the IPCP Pro 250 is engineered to be faster and more secure in almost every way. It features advanced security standards and Gigabit Ethernet, which ensures compatibility with multiple TouchLink® Pro touchpanels using today's network infrastructure. It also supports Extron LinkLicense™ which enables the use of third party devices as primary control interfaces. The IPCP Pro 250 is an ideal choice for controlling multiple devices and signal types within an AV system.

FEATURES
- Supports TouchLink® Pro touchpanels
- Supports secure industry standard communications protocols
- Supports LinkLicense
- One bidirectional RS-232 serial port with software handshaking
- One bidirectional RS-232/RS-422/RS-485 serial port with hardware and software handshaking
- One IR/Serial port for one-way control of external devices
- Four Digital I/O ports
- Supports popular BMS – Building Management System protocols, such as BACnet, KNX, and DALI

Model	Version Description	Part Number
IPCP Pro 250	IP Link Pro Control Processor	60-1429-01
IPCP Pro 250	IP Link Pro Control Proc. w/LinkLicense	60-1429-01A

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IP LINK PRO SERIES CONTROL PROCESSORS

IPL Pro S6
IP Link Pro Control Processor

The Extron IPL Pro S6 is a compact, high-performance control processor with six bidirectional serial ports. As with all IP Link Pro control processors, the IPL Pro S6 combines more power, speed and memory. It features advanced security standards and Gigabit Ethernet, which ensures compatibility with multiple TouchLink Pro touchpanels using today's network infrastructure. It is designed to be used as a stand-alone control processor in medium size systems configured with Global Configurator Plus or Professional. It may also be grouped with an IPCP Pro control processor in more complex systems configured with Global Configurator Professional.

FEATURES
- Supports TouchLink® Pro touchpanels
- Supports secure industry standard communication protocols
- Five bidirectional RS-232 serial ports with hardware and software handshaking
- One bidirectional RS-232/RS-422/RS-485 serial port with hardware and software handshaking
- Supports popular BMS – Building Management System protocols, such as BACnet, KNX, and DALI
- Manage, monitor, and control AV devices using a standard Ethernet network
- Supports Power over Ethernet
- Supports 10/100/1000Base-T
- Supports up to 32 Ethernet-controllable devices

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Model	Version Description	Part Number
IPL Pro S6	Six Serial Ports	60-1414-01

IPL Pro S3
IP Link Pro Control Processor

The Extron IPL Pro S3 is a compact, high-performance control processor with three bidirectional serial ports. As with all IP Link Pro control processors, the IPL Pro S3 combines more power, speed and memory. It features advanced security standards and Gigabit Ethernet, which ensures compatibility with multiple TouchLink Pro touchpanels using today's network infrastructure. It is designed to be used as a stand-alone control processor in smaller systems configured with Global Configurator Plus or Professional. It may also be grouped with an IPCP Pro control processor in more complex systems configured with Global Configurator Professional.

FEATURES
- Supports TouchLink® Pro touchpanels
- Supports secure industry standard communications protocols
- Two bidirectional RS-232 serial ports with hardware and software handshaking
- One bidirectional RS-232/RS-422/RS-485 serial port with hardware and software handshaking
- Supports popular BMS – Building Management System protocols, such as BACnet, KNX, and DALI
- Manage, monitor, and control AV devices using a standard Ethernet network
- Supports Power over Ethernet
- Supports 10/100/1000Base-T
- Supports up to 32 Ethernet-controllable devices

NOW SHIPPING

Model	Version Description	Part Number
IPL Pro S3	Three Serial Ports.	60-1413-01

IPL Pro S1
IP Link Pro Control Processor

The Extron IPL Pro S1 is a compact, high-performance control processor with one bidirectional serial port. As with all IP Link Pro control processors, the IPL Pro S1 combines more power, speed and memory. It features advanced security standards and Gigabit Ethernet, which ensures compatibility with multiple TouchLink Pro touchpanels using today's network infrastructure. It is designed to be used as a stand-alone control processor in smaller systems configured with Global Configurator Plus or Professional. It may also be grouped with an IPCP Pro control processor in more complex systems configured with Global Configurator Professional.

FEATURES
- Supports TouchLink® Pro touchpanels
- Supports secure industry standard communication protocols
- One bidirectional RS-232 serial port with hardware and software handshaking
- Supports popular BMS – Building Management System protocols, such as BACnet, KNX, and DALI
- Manage, monitor, and control AV devices using a standard Ethernet network
- Supports Power over Ethernet
- Supports 10/100/1000Base-T
- Supports up to 32 Ethernet-controllable devices

NOW SHIPPING

Model	Version Description	Part Number
IPL Pro S1	One Serial Port	60-1412-01

Extron

IP LINK PRO SERIES CONTROL PROCESSORS

IPL Pro IRS8
IP Link Pro Control Processor

The Extron IPL Pro IRS8 is a compact, high-performance control processor with eight one-way IR/serial ports. As with all IP Link Pro control processors, the IPL Pro IRS8 combines more power, speed and memory. It features advanced security standards and Gigabit Ethernet, which ensures compatibility with multiple TouchLink Pro touchpanels using today's network infrastructure. It is designed to be used as a stand-alone control processor in systems configured with Global Configurator Plus or Professional. It may also be grouped with other IPL Pro control processors or with an IPCP Pro control processor in more complex systems configured with Global Configurator Professional.

FEATURES
- Supports TouchLink® Pro touchpanels
- Supports secure industry standard communication protocols
- Eight IR/Serial ports for one-way control of external devices
- Supports popular BMS – Building Management System protocols, such as BACnet, KNX, and DALI
- Manage, monitor, and control AV devices using a standard Ethernet network
- Power over Ethernet allows the control processor to receive power and control over a single Ethernet cable, eliminating the need for a local power supply
- Supports up to 32 Ethernet-controllable devices

Model	Version Description	Part Number
IPL Pro IRS8	Eight IR/Serial Ports.	60-1415-01

IPL Pro CR88
IP Link Pro Control Processor

The Extron IPL Pro CR88 is a compact, high-performance control processor with eight contact closure inputs and eight relay ports. As with all IP Link Pro control processors, the IPL Pro CR88 combines more power, speed and memory. It features advanced security standards and Gigabit Ethernet, which ensures compatibility with multiple TouchLink Pro touchpanels using today's network infrastructure. It is designed to be used as a stand-alone control processor in systems configured with Global Configurator Plus or Professional. It may also be grouped with other IPL Pro control processors or with an IPCP Pro control processor in more complex systems configured with Global Configurator Professional.

FEATURES
- Supports TouchLink® Pro touchpanels
- Supports secure industry standard communication protocols
- Eight relays for controlling room functions
- Eight contact closure ports
- Supports popular BMS – Building Management System protocols, such as BACnet, KNX, and DALI
- Manage, monitor, and control AV devices using a standard Ethernet network
- Power over Ethernet allows the control processor to receive power and control over a single Ethernet cable, eliminating the need for a local power supply
- Supports up to 32 Ethernet-controllable devices

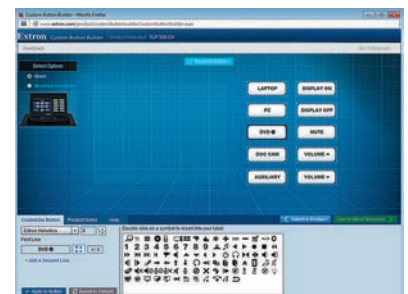| Model	Version Description	Part Number
IPL Pro CR88	Eight Contact and Eight Relays.	60-1416-01

CUSTOM BUTTON BUILDER

Custom Button Builder
Create Buttons with Just a Few Clicks

The Extron Custom Button Builder provides convenient and simple customization of soft-touch, backlit buttons for Extron MLC 60 Series controllers and TLP 350 touchpanels. This dynamic online tool features a graphical representation of the product's button layout and a button configurator pane with many options for easy edits.

FEATURES
- Customize text for single or dual line buttons and easily change font size while monitoring character count
- Easily add symbols to buttons
- View, add, and remove products from the Bill of Materials
- When you've finished building your buttons, the Success Screen provides a quick summary with a part number

For updated product availability, go to www.extron.com

Europe	Middle East	Asia	China	Japan
+31.33.453.4040 / +800.3987.6673	+971.4.299.1800	+65.6383.4400 / +800.7339.8766	+86.21.3760.1568 / +4000.398766	+81.3.3511.7655
+31.33.453.4050 FAX	+971.4.299.1880 FAX	+65.6383.4664 FAX	+86.21.3760.1566 FAX	+81.3.3511.7656 FAX

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Extron

MEDIALINK PLUS SERIES

MLC Plus 84 D
MediaLink Plus Controller with Ethernet - Decora Wallplate

The MLC Plus 84 D is an easy-to-use, two-gang Ethernet controller used for controlling common AV functions such as power, input switching, and volume. As part of the new MediaLink Plus Series, the MLC Plus 84 D is designed with more powerful features and enhanced security. It has eleven backlit soft touch buttons and a variety of ports and inputs, including a remote volume control port for use with select Extron amplifiers. It is Extron's first pushbutton controller to support Ethernet control of a wide range of AV devices. The MLC Plus 84 D mounts in a two-gang junction box, and includes a white Decora®-style wallplate.

FEATURES

- Manage, monitor, and control AV devices using a standard Ethernet network
- Fully customizable using Global Configurator Plus or Global Configurator Professional
- Two bidirectional RS-232 ports
- Two relays for controlling room functions
- One IR Port for connecting up to two emitters
- Remote volume control port for Extron MPA Series and select XTRA™ Series amplifiers
- One Digital input
- Supports Power over Ethernet
- Supports up to eight Ethernet-controllable devices
- Mounts in a Decora-style wallplate

Model	Version Description	Part Number
MLC Plus 84 D	White - Decora Wallplate	60-1194-03

MLC Plus 84 EU
MediaLink Plus Controller with Ethernet - EU Wallplate

The MLC Plus 84 EU is an easy-to-use, two-gang Ethernet controller that controls common AV functions such as power, input selection, and volume. As part of the new MediaLink Plus Series, the MLC Plus 84 EU is designed with more powerful features and enhanced security. It has nine backlit soft touch buttons, a volume control knob, and a variety of ports and inputs, including a remote volume control port for use with select Extron amplifiers. It is Extron's first pushbutton controller to support Ethernet control of a wide range of AV devices. The MLC Plus 84 EU mounts in a two gang size European junction box.

FEATURES

- Manage, monitor, and control AV devices using a standard Ethernet network
- Fully customizable using Global Configurator Plus or Global Configurator Professional
- Designed to mount in a two-gang European junction box
- Two bidirectional RS-232 ports
- Two relays for controlling room functions
- One IR Port for connecting up to two emitters
- Remote volume control port for Extron MPA Series and select XTRA™ Series amplifiers
- One Digital input
- Supports Power over Ethernet
- Supports up to eight Ethernet-controllable devices

Model	Version Description	Part Number
MLC Plus 84 EU	White - EU Wallplate	60-1354-33

MLC Plus 84 MK
MediaLink Plus Controller with Ethernet - MK Wallplate

The MLC Plus 84 MK is an easy-to-use, two-gang Ethernet controller that controls common AV functions such as power, input selection, and volume. As part of the new MediaLink Plus Series, the MLC Plus 84 MK is designed with more powerful features and enhanced security. It has nine backlit soft touch buttons, volume control knob, and a variety of ports and inputs, including a remote volume control port for use with select Extron amplifiers. It is Extron's first pushbutton controller to support Ethernet control of a wide range of AV devices. The MLC Plus 84 MK mounts in a two gang MK junction box.

FEATURES

- Manage, monitor, and control AV devices using a standard Ethernet network
- Fully customizable using Global Configurator Plus or Global Configurator Professional
- Designed to mount in a double MK junction box for the UK, Middle East, Singapore, Hong Kong, and other markets that use MK-type junction boxes
- Two bidirectional RS-232 ports
- Two relays for controlling room functions
- One IR Port for connecting up to two emitters
- Remote volume control port for Extron MPA Series and select XTRA™ Series amplifiers
- One Digital input
- Supports Power over Ethernet
- Supports up to eight Ethernet-controllable devices

Model	Version Description	Part Number
MLC Plus 84 MK	White - MK Wallplate	60-1354-23

Extron

MEDIALINK

MLC 62 RS CC

MediaLink Controller for Cable Cubby Series/2 Cable Access Enclosures

The Extron MLC 62 RS CC is a MediaLink controller housed in a versatile mounting bracket designed to integrate into Cable Cubby® 1200 or Cable Cubby 1400 Series/2 Cable Access Enclosures. This easy-to-use keypad controller provides popular AV control functions, including power, input switching, and volume. It has eight backlit soft touch buttons and features a variety of ports, including RS-232 serial and IR ports for universal display control, two relays for control of lighting, screen settings, and other device functions, and a digital input. A convenient split-ring hole pass through plate provides access to cables from the Cable Cubby 1200 or Cable Cubby 1400 Series/2 Cable Access Enclosure.

FEATURES
- Designed to mount in a Cable Cubby® 1200 or Cable Cubby 1400 Series/2 Cable Access Enclosure
- Customizable backlit buttons
- Two-space MAAP opening for cable pass-through or AV connectivity
- Convenient cable pass through plate
- Unidirectional RS-232 and configurable IR ports for universal display control
- Two relays
- Digital input
- Easy-to-use configuration software provides fast and easy setup

Installed in Cable Cubby 1200

NOW SHIPPING

Model	Version Description	Part Number
MLC 62 RS CC	IR and RS-232 for Cable Cubby Series/2......	42-238-01

MLC 55 Series

## MediaLink Controllers with IR and RS-232 Display Control

The Extron MLC 55 Series Controllers are economical, easy-to-use keypad controllers used for common AV functions such as power, input selection, and volume in single display applications. They feature sleek, new looks with redesigned backlit buttons and magnetically-mounted faceplates that hide the mounting screws and configuration ports, giving the controllers a refined, uncluttered appearance. All models include IR and unidirectional RS-232 display control, discrete ON and OFF display power controls, and dual color, backlit buttons that can be custom labeled for easy identification. The MLC 55 RS VC model features a newly-designed, larger volume knob, that provides smooth, precise volume control for Extron MPA Series and select XTRA™ Series amplifiers.

FEATURES
- Unidirectional RS-232 and IR port for universal display control
- Discrete ON and OFF display power controls
- Configurable buttons
- Dual color, backlit buttons can be custom labeled for easy identification
- Removable button caps
- IR learning capability
- Thousands of Extron certified, ready-to-use device drivers are available
- Pluggable captive screw connectors
- Easily accessible, front mount configuration
- Extron's easy-to-use MLC 55,62,64 Series software provides fast and simple set-up

MLC 55 RS
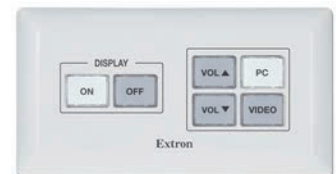
MLC 55 RS EU
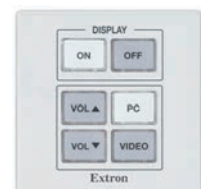
MLC 55 RS MK

MLC 55 RS VC

Model	Version Description	Part Number
MLC 55 RS	IR and RS-232 Control.........................	60-1390-03
MLC 55 RS EU	IR and RS-232 Control - EU....................	60-1390-33
MLC 55 RS MK	IR and RS-232 Control - MK	60-1390-23
MLC 55 RS VC	IR, RS-232, and Volume Control...............	60-1391-03

For updated product availability, go to www.extron.com

Extron

SCALERS

IN1604
Four Input HDCP-Compliant Scaler

The Extron IN1604 DTP and IN1604 HD are HDCP-compliant scalers with three HDMI inputs, a universal analog video input, and an Extron DTP or HDMI output, in a compact 1U, half rack enclosure. The IN1604 is ideal for installation beneath conference tables and in lecterns to provide localized switching support for sources such as presenter devices. The IN1604 DTP output allows signal extension up to 330 feet (100 meters) over shielded CATx cable to reach a wall or ceiling-mounted display. Both IN1604 models provide the convenience of fast and reliable switching, along with a high performance scaling engine for HDMI and analog video sources. Also included are a host of audio processing features and many versatile options for control.

FEATURES

- Integrates HDMI, analog video, and audio sources into presentation systems
- Three HDMI inputs and one universal analog video input
- Available with DTP or HDMI output
- Auto-switching between inputs
- Selectable output rates from 640x480 to 1920x1200, including HDTV 1080p/60 and 2K

- Advanced scaling engine with 30-bit processing and 1080i deinterlacing
- Available integrated DTP output supports transmission of HDMI, control, and analog audio up to 330 feet (100 meters) over a shielded CATx cable
  - Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
  - Bidirectional RS-232 and IR pass-through for AV device control
  - Remote powering of DTP receiver
  - Compatible with all DTP 230 and DTP 330 Series receivers, and DTP-enabled products
  - DTP output is compatible with HDBaseT-enabled devices
- HDMI audio embedding
- HDMI audio de-embedding
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- EDID Minder® automatically manages EDID communication between connected devices
- SpeedSwitch® Technology provides exceptional switching speed for HDCP-encrypted content
- RS-232 control port
- Contact closure remote control with tally output
- Front panel USB configuration port
- Compact 1U, half rack width metal enclosure

IN1604 HD

IN1604 DTP

Model	Version Description	Part Number
IN1604 DTP	Four Input Scaler with DTP Output	60-1457-01
IN1604 HD	Four Input Scaler with HDMI Output	60-1457-02

DSC HD-HD
HDMI to HDMI Scaler

The Extron DSC HD-HD is a compact high performance, HDCP-compliant scaler that converts between HDMI resolutions and frame rates. It accepts video from 480i up to 1920x1200, 1080p, and 2K, and offers high performance upscaling and downscaling with multiple output rates up to 1920x1200, including HDTV 1080p/60 and 2K. The DSC HD-HD features advanced Extron video signal processing with 1080i deinterlacing and Deep Color processing for optimal image quality. It includes many integrator-friendly features such as on-screen display, test patterns, and EDID Minder®. The DSC HD-HD is ideal for applications that require scaling HDMI video to match the different capabilities and requirements of sources, displays, videoconferencing codecs, and other equipment. The compact form factor allows simple integration at a source, destination, or in a distribution system.

FEATURES

- HDMI video cross conversion
- Accepts HDMI video from 480i up to 1920x1200, 1080p/60, and 2K
- Advanced scaling engine with 30-bit processing and 1080i deinterlacing
- Selectable output rates from 640x480 to 1920x1200, including HDTV 1080p/60 and 2K
- HDCP compliant
- EDID Minder® automatically manages EDID communication between connected devices
- On-screen menus
- Internal video test patterns and pink noise generator for calibration and setup
- Front panel USB configuration port

Model	Version Description	Part Number
DSC HD-HD	HDMI to HDMI Scaler	60-1489-01

SCALERS

DSC DP-HD A
DisplayPort to HDMI Scaler with Audio De-Embedding

The Extron DSC DP-HD A is a high performance, HDCP-compliant scaler that converts DisplayPort signals to HDMI. It accepts DisplayPort video at resolutions up to 2560x1600, and offers high performance scaling with multiple output rates up to 1920x1200, including HDTV 1080p/60 and 2K. The DSC DP-HD A features advanced Extron video signal processing with 1080i deinterlacing and Deep Color processing for optimal image quality. It includes many integrator-friendly features such as auto-memory presets, on-screen display, test patterns, EDID Minder®, stereo audio de-embedding, and a DisplayPort input loop-through, while the compact enclosure simplifies installation. The DSC DP-HD A is ideal for interfacing high resolution DisplayPort signals into AV systems with an HDMI switching and distribution infrastructure.

FEATURES
- DisplayPort to HDMI video scaling
- Accepts DisplayPort signals up to 2560x1600
- Buffered DisplayPort input loop-through enables local monitoring at original signal resolution
- Advanced scaling engine with 30-bit processing and 1080i deinterlacing
- DisplayPort audio de-embedding
- Selectable output rates from 640x480 to 1920x1200, including HDTV 1080p/60 and 2K
- HDCP compliant
- EDID Minder® automatically manages EDID communication between connected devices
- Supports DisplayPort data rates up to 10.8 Gbps
- On-screen menus
- Internal video test patterns and pink noise generator for calibration and setup
- RS-232 control port
- Front panel USB configuration port

Model	Version Description	Part Number
DSC DP-HD A	DisplayPort to HDMI Scaler with Audio De-Embedding	60-1454-01

DSC 3G-3G A
3G-SDI to 3G-SDI Scaler with Audio Embedding and De-Embedding

The Extron DSC 3G-3G A is a high performance 3G-SDI scaler that converts between 3G-SDI, HD-SDI, and SDI resolutions and frame rates. It accepts, scales, and outputs SMPTE video resolutions from 480i and 576i up to 1080p/60 and 2K. The DSC 3G-3G A features advanced Extron video signal processing with 1080i deinterlacing and Deep Color processing for optimal image quality. The DSC 3G-3G A also provides flexible audio capability with analog audio embedding, de-embedding, and level adjustments. Dual SDI outputs, genlock, and an input loop-through facilitate integration in demanding professional environments, while the compact enclosure simplifies installation. The DSC 3G-3G A is ideal for applications with professional video systems, including video editing and production, rental and staging, medical imaging, and large-scale presentations.

FEATURES
- 3G-SDI video cross conversion
- Accepts 3G-SDI/HD-SDI/SDI signals up to 2.97 Gbps
- Two simultaneous 3G-SDI/HD-SDI/SDI outputs
- Advanced scaling engine with 30-bit processing and 1080i deinterlacing
- SDI audio embedding
- SDI audio de-embedding
- Selectable output rates from 480i and 576i to HDTV 1080p/60 and 2K
- Input equalization and reclocking on buffered loop-through
- Genlock input with loop-through
- On-screen menus
- Internal video test patterns and pink noise generator for calibration and setup
- RS-232 control port
- Front panel USB configuration port

Model	Version Description	Part Number
DSC 3G-3G A	3G-SDI to 3G-SDI Scaler	60-1453-01

For updated product availability, go to www.extron.com

Europe	Middle East	Asia	China	Japan	
+31.33.453.4040 / +800.3987.6673	+971.4.299.1800	+65.6383.4400 / +800.7339.8766	+86.21.3760.1568 / +4000.398766	+81.3.3511.7655	**Extron**
+31.33.453.4050 FAX	+971.4.299.1880 FAX	+65.6383.4664 FAX	+86.21.3760.1566 FAX	+81.3.3511.7656 FAX	

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STREAMING AV

SMP 351
H.264 Streaming Media Processor

The SMP 351 is a high performance streaming and recording processor for capturing and distributing AV sources and presentations as live streaming or recorded media. Featuring up to five input connections, the SMP 351 allows users to create high-impact presentations by combining two high resolution signals, a background image, and metadata into dynamic layouts delivered on a single output signal. With Extron's FlexOS operating system, the SMP 351 is highly adaptable to new requirements using installable control applications. A comprehensive combination of signal processing, streaming, recording, and control features make the SMP 351 integration-friendly, as well as easy to control and operate. Requiring no licensing fees, the SMP 351 has a low cost of ownership making it a flexible, cost-effective solution for delivering presentations to a wider audience.

High Resolution AV Processing

The SMP 351 combines two high resolution video signals selected from up to five available sources with mixed audio, a PNG background image, and metadata into a single blended output signal. High quality scaling and two-window processing supports flexible source presentation in picture-in-picture or picture-by-picture arrangements at resolutions up to 1080p/30. Select from as many as sixteen customizable layouts from the front panel or an external control system.

Flexible Recording and Streaming

The SMP 351 can record and stream simultaneously. It creates MP4 (M4V) media files that can be saved to the internal 80 GB solid state storage, an external USB drive, or a defined network storage directory. The SMP 351 can also stream at two resolutions concurrently, supporting overflow or streaming distribution applications using high to medium bit rates, or confidence viewing using low bit rates. A range of streaming protocols and session management options are available to support different streaming configurations and network conditions.

Integration for Presentation and Recording Workflows

The SMP 351 offers advanced signal processing and control features, which simplify management in presentation systems and recording workflows. Schedules can be entered manually or automatically updated using the iCalendar file format. Encoding and recording presets simplify configuration and management from a control system. An HDMI output connection presents a preview of the blended source layout with audio that is streamed and recorded.

Content Management and Playback Options

The SMP 351 produces MP4 (M4V) media files, which are compatible with virtually any media player software and popular content management system. It integrates directly with the Opencast Matterhorn lecture capture AV management system, and can process and manage impromptu AV recordings with Extron's Streaming Content Manager – SCM software.

FEATURES

- Process two high resolution AV signals from up to five available input connections
- Stream and record simultaneously
- High quality scaling with flexible two-window management
- Produces MP4 media files that are compatible with virtually any media player
- Flexible I/O ports for advanced AV system management
- License-free operation contributes to a low cost of ownership
- Save recorded media to the internal 80 GB solid state drive, an external USB drive, or a defined network storage directory
- Record and stream at resolutions from 480p to 1080p/30
- Supports HDMI, component HD, composite, and optional 3G-SDI signal formats
- Easy to configure and operate using the front panel, embedded web page, or external control system
- Stream at high and low resolutions and bit rates concurrently supporting overflow and confidence viewing applications
- Extron FlexOS embedded operating system provides a platform that is highly-adaptable to new requirements
- Manage AV recordings using Extron Streaming Content Manager – SCM
- Mark chapters and notable events during recording sessions
- Produces JPEG thumbnail images for use in enhanced playback experiences from the Extron Media Player - EMP
- HDMI preview output signal presents a confidence view of the blended source layout with mixed audio
- HDMI-embedded stereo or analog stereo audio input and output connectors
- Audio mixing and DSP functionality
- Integrates directly with the Opencast Matterhorn lecture capture AV content management system
- SMP 351 recordings are compatible with third party content management systems including Kaltura, iTunes-U, Blackboard LMS, SharePoint, CaptionSync, YouTube, Moodle, and RSS feed
- Schedule recording and streaming events using the iCalendar file format
- RS-232 and digital I/O control ports interface with control systems, sensors, and external devices
- Install Extron FlexOS applications to automate SMP 351 operation using control ports

Model	Version Description	Part Number
SMP 351	Standard Version	60-1324-01
SMP 351 3G-SDI	with 3G-SDI Input	60-1324-02

STREAMING AV

SCM
Streaming Content Manager

Streaming Content Manager - SCM is Extron's software management tool for processing, packaging, and delivering AV recordings produced by the Extron SMP 351 Streaming Media Processor during impromptu recording sessions. It processes MP4 recordings, thumbnail images, and metadata produced by the SMP 351 into a package of files that are played back from the Extron Media Player – EMP. SCM is also used to define and manage users, groups, and access rights to EMP recording packages. SCM automates management of user data and access rights by integrating data obtained from LDAP/AD network services. User data such as an email address obtained from an AV control system is used by SCM to authenticate, apply access rights, and notify users when recording packages have been completed and are available for retrieval.

FEATURES
- Manage the automatic transfer of SMP 351 recordings to rights managed storage directories
- Process recorded media produced by the SMP 351 into Extron Media Player file packages
- Import user data from LDAP/AD network services
- Automatic user updates from LDAP/AD
- Define user and group access privileges
- Manage recordings and identify recent activity
- Create custom usernames and passwords
- Administrator and user management tools
- Storage capacity notification

Streaming Content Manager

Model	Version Description	Part Number
SCM	Streaming Content Manager	79-584-01

EMP
Extron Media Player

Extron Media Player - EMP is a browser-based media player for MP4 (M4V) recordings produced by the SMP 351 Streaming Media Processor. EMP provides an enhanced playback experience, incorporating a thumbnail timeline and metadata with an advanced set of playback controls. EMP recording packages are prepared by the Extron Streaming Content Manager - SCM software. EMP can operate from any PC or personal device with a web browser.

FEATURES
- Play back MP4 (M4V) recordings created by the Extron SMP 351 Streaming Media Processor
- Play AV recordings from local or network storage locations
- Provides enhanced playback experience with thumbnail timeline, metadata, and advanced playback controls
- Compatible with multiple browser platforms that use the HTML5 video player
- Media play back reverts to Adobe Flash Player if browser does not support HTML5 video player
- Meets 508 accessibility standards
- Assistive technology features include alternate color palettes, high contrast, and zoom presentation modes
- Compatible with screen readers
- Keyboard controls provide an alternative interface for vision impaired and keyboard-oriented users
- Customizable player layouts

Extron Media Player

Model	Version Description	Part Number
EMP	Extron Media Player	79-583-01

SWITCHERS

CCR 30
Contact Closure Remote with Three LED Switches

The Extron CCR 30 provides simple, remote control of input selection on Extron switchers or control modules with contact closure control ports. The CCR 30 features three brushed aluminum pushbutton switches with blue LED ring lights for visual feedback. Switches can be individually configured for latching or momentary operation. The LEDs can be powered by any available 12 VDC, 1 A power supply. To streamline installation, a +12 VDC power loop-out port allows sharing of external power with another Extron product. The LEDs can be controlled by the tally outputs on Extron switchers such as the MPS 601, or by an integrated tally driver circuit. The CCR 30 features a black anodized metal faceplate that complements Extron Cable Cubby Series/2 furniture-mountable enclosures.

FEATURES

- Three-button contact closure remote control panel for Extron switchers or control modules with contact closure ports
- Switches can be individually configured for latching or momentary operation
- LED ring lights provide visual feedback of switch status
- Individually selectable internal or external tally input for control of LED lighting modes
- LEDs can be powered by any external 12 VDC, 1 A power supply
- +12 VDC loop-out power port
- Black anodized faceplate complements Cable Cubby Series/2 enclosures
- Hidden clamps secure the faceplate to the furniture surface without tools or visible screws
- Convenient captive screw connectors for fast termination and installation
- Custom, laser-etched faceplate labeling is available for easy identification of switch functions
- Dimensions: 4.5" W x 1.75" H x 4" D (11.4 cm W x 4.4 cm H x 10.1 cm D)

CCR 30 shown with optional labeling

Model	Version Description	Part Number
CCR 30	Three LED switches, black	60-1446-02

CTR 8
Eight Input Contact Closure to RS-232 Converter

The Extron CTR 8 adds contact closure control to most RS-232 controllable Extron single-output simple or scaling switchers. The CTR 8 accepts up to eight contact closure inputs and converts them to SIS™ serial commands that select the corresponding input on an Extron switcher. Video can be muted and un-muted by pressing a single switch in sequence, allowing the user to control the viewing of the presentation. Each contact closure input features a +5 VDC output that can be used to light an LED to indicate the active switch. To streamline installation, a +12 VDC power loop-out port allows sharing of external power with another Extron product. The CTR 8 is ideal for applications in which contact closure control must be added to an Extron switcher.

FEATURES

- Adds contact closure control capability to most RS-232 controllable Extron single-output simple or scaling switchers
- Converts contact closure inputs to Extron SIS serial commands
- +5 VDC output to light an external LED
- Video muting control with selectable LED indication mode
- +12 VDC loop-out power port
- 1U, quarter rack width metal enclosure

NOW SHIPPING

Model	Version Description	Part Number
CTR 8	Contact closure to RS-232	60-1408-01

Extron

SWITCHERS

MPS 601
Media Presentation Switcher

The Extron MPS 601 is a compact six input, one output media presentation switcher for digital and analog sources. It offers four, HDCP-compliant HDMI inputs and two RGB video inputs with analog stereo audio. RGB video and analog audio are digitized and switched through the HDMI output. The MPS 601 features EDID Minder®, which maintains continuous EDID communication with connected devices and ensures that the sources power up properly and maintain correct video output. Multiple control options, including front panel, RS-232, contact closure with tally output, and auto-input switching, simplify integration into a variety of system designs. The MPS 601 is ideal for applications that require the routing of digital and analog sources to a single display.

FEATURES
- Integrates HDMI, RGB, and audio sources into presentation systems
- Digitizes RGB and analog audio signals, and switches them through the HDMI output
- HDMI audio embedding
- EDID Minder® automatically manages EDID communication between connected devices
- Supports computer video up to 1920x1200, including HDTV 1080p/60 and 2K
- Automatic input cable equalization to 50 feet (15 meters) at 1080p/60 with 8-bit color when used with Extron HDMI Pro Series cable
- Audio input assignment for integration flexibility
- Multiple control options including front panel, RS-232, contact closure, and auto-input switching
- Rack-mountable, 1U, half rack width metal enclosure

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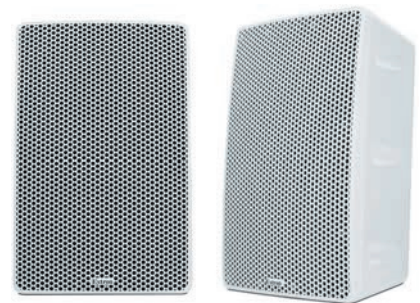| Model	Version Description	Part Number
MPS 601	Six Input HDMI, VGA, & Audio Switcher	60-1377-01

AUDIO PRODUCTS

SM 26
SpeedMount Two-Way Surface Mount Speakers with 6.5" Woofer

The Extron SM 26 SpeedMount® Surface Mount Speaker is a two-way speaker with a patent pending, concealed wall mounting system. It features a 6.5" (16.5 cm) woofer with dual tuned ports and a 1" (2.5 cm) tweeter. The SM 26 provides a wide frequency range from 70 Hz to 18 kHz, and a power rating of 60 watts continuous pink noise, 120 watts continuous program capacity. The Extron-exclusive mounting system is designed to accommodate division-of-labor installations and save costs. The SM 26 is available as an 8 ohm model, and an SM 26T version which can operate in 8 ohm direct as well 70 volt and 100 volt modes. The SM 26T features a 6 position power tap selector, which can conveniently be accessed through the grille from outside the speaker.

FEATURES
- Patent pending, concealed mounting system
- Includes 0° mounting plate and 10° mounting adapter
- Designed to accommodate division-of-labor installations and save costs
- 1" (2.5 cm) silk dome tweeter
- 6.5" (16.5 cm) long-throw woofer with dual tuned bass reflex ports
- Two versions available
- Convenient 6 position, through-the-grille power tap selector on the SM 26T
- Optional yoke mount allows 180° of speaker pivot in 10° detented steps, part # 70-993-02 and 70-993-03
- Frequency range: 70 Hz to 18 kHz
- 60 watts continuous pink noise, 120 watts continuous program
- Internal driver overload protection
- Hidden locking speaker release mechanism
- Black or white high-impact enclosure
- 5 year parts and labor warranty

SPEED MOUNT

See animated demonstration of SpeedMount installation
www.extron.com/sm26install

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Model	Version Description	Part Number
SM 26	8 ohm - Black, Pair	60-1308-02
SM 26	8 ohm - White, Pair	60-1308-03
SM 26T	Transformer - Black, Pair	60-1308-12
SM 26T	Transformer - White, Pair	60-1308-13
Yoke Mount	Yoke Mount for SM 26, Pair - Black	70-993-02
Yoke Mount	Yoke Mount for SM 26, Pair - White	70-993-03

For updated product availability, go to www.extron.com

Europe	Middle East	Asia	China	Japan
+31.33.453.4040 / +800.3987.6673	+971.4.299.1800	+65.6383.4400 / +800.7339.8766	+86.21.3760.1568 / +4000.398766	+81.3.3511.7655
+31.33.453.4050 FAX	+971.4.299.1880 FAX	+65.6383.4664 FAX	+86.21.3760.1566 FAX	+81.3.3511.7656 FAX

Extron

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AUDIO PRODUCTS

SF 26X
Two-Way SoundField Open Back 8 Ohm Ceiling Speakers

The Extron SoundField® SF 26X is a two-way ceiling speaker featuring an open back and coaxial dual driver design for use in non-plenum airspace environments. The driver complement includes a 6.5" (16.5 cm) woofer coupled to a 3/4" (1.9 cm) ferrofluid-cooled dome tweeter. The SF 26X provides a frequency range of 50 Hz to 20 kHz for accurate voice and detailed music reproduction. This speaker offers a nominal impedance of 8 ohms, and is engineered with a wide, uniform 110° conical coverage and uncolored off-axis response. The SF 26X features a thin-edged bezel for a refined appearance on the ceiling, and a magnetically attached grille.

FEATURES
- Open back, infinite baffle design
- 8 ohm nominal impedance
- 3/4" (1.9 cm) ferrofluid-cooled dome tweeter
- 6.5" (16.5 cm) polypropylene woofer
- Frequency range: 50 Hz to 20 kHz
- 25 watts continuous pink noise, 50 watts continuous program
- 110° conical dispersion
- Internal driver overload protection
- Thin bezel and magnetically attached grille
- 5 year parts and labor warranty

NOW SHIPPING

Model	Version Description	Part Number
SF 26X	8 ohm - Open Back, Pair	60-1312-03

CS 123T
Full-Range SpeedMount Ceiling Speaker System

The Extron CS 123T SpeedMount® Ceiling Speaker System is a patented low profile, plenum rated two-piece speaker system. It provides an extremely wide 165° conical dispersion for flexibility in speaker spacing. The system is designed for applications where high intelligibility and maximum coverage is desired in paging applications and low ceiling installations. The innovative system consists of the CS 120P plenum rated enclosure and a CS 3T full-range speaker cartridge. The enclosure installs quickly into 2' x 2' (61 cm x 61 cm) or 600 mm x 600 mm suspended ceilings. The speaker cartridge features a 3" (7.6 cm) full-range driver, and can be used in 70/100 volt or 8 ohm operation. The CS 123T is available as a complete assembly, or the CS 120P and CS 3T can be purchased separately to accommodate division-of-labor installations. This unique speaker design greatly simplifies ceiling speaker installation and delivers significant time and cost savings.

FEATURES
- Patented two-piece speaker system for suspended ceilings in division-of-labor installations
- Enclosure and speaker cartridge can be installed separately by low-voltage and AV system contractors
- Provides significant time and cost savings in ceiling speaker installation
- 3" (7.6 cm) full-range driver
- 165° conical dispersion provides wide coverage and allows for flexible speaker placement
- 8 ohm direct or 70/100 volt operation on a 6 position, behind-the-grille selector
- 16 watts continuous pink noise, 32 watts continuous program
- Internal driver overload protection
- Thin bezel and magnetically attached grille
- Grille and bezel are available in white only and may be painted to match environment
- Spring-loaded locking arms on the CS 3T for quick installation
- Fast-installing enclosure speeds installation; no tile bridge necessary
- UL 2043 plenum rated enclosure
- Low profile, 5" (12.7 cm) deep enclosure for plenum environments
- Compatible with US 2' x 2' ceiling grids and metric 600 mm x 600 mm ceiling grids
- Reinforced enclosure minimizes acoustical vibrations
- 5 year parts and labor warranty

SPEED MOUNT

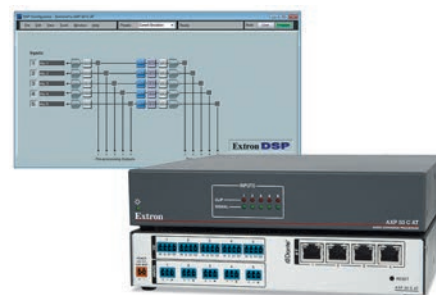| Model	Version Description	Part Number
CS 123T	Full-Range SpeedMount Speaker System, Pair	42-242-03
CS 120P	SpeedMount Enclosure, Pair	70-976-01
CS 3T	Full-Range, Open Back Speaker, Transformer, Pair	60-1463-03

Extron

AUDIO PRODUCTS

AXP 50 C AT
Five Input Audio Expansion Processor with AEC and Dante

The Extron AXP 50 C AT is a five input audio expansion processor with Extron ProDSP™ for integrating remote microphones and other sources onto a Dante™-enabled Extron DMP 128 audio system. A single Ethernet cable from one AXP 50 C AT, or several linked units, to a central equipment rack significantly reduces the effort and expense of pulling one cable for each mic. The AXP 50 C AT provides 48 volt phantom power and a digital control port for all mic/line inputs. Dedicated signal processing is available for each input, including gain, filtering, dynamics, and AEC - acoustic echo cancellation. The intuitive DSP Configurator™ Software makes it quick and easy to set up DSP parameters and AEC on the AXP 50 C AT.

FEATURES
- Five mic/line level inputs with 48 volt phantom power
- Independent AEC - acoustic echo cancellation on each channel
- Dante audio networking provides a wide range of expansion capabilities
- Built-in four-port Gigabit switch
- One digital input and dual digital outputs at each mic/line input for control
- Compact 1U, half rack width metal enclosure
- ProDSP™ 32/64-bit floating point signal processing
- Studio grade 24-bit/48 kHz analog-to-digital converters
- Low latency DSP processing
- DSP Configurator™ Software
- Intuitive Graphical User Environment
- Flexible pre- and post-processing input signal routing
- Flexible control options
- Building Blocks processor settings

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Model	Version Description	Part Number
AXP 50 C AT	5 In Expansion Processor	60-1325-01

AXP 64 C AT
6 Input, 4 Output Audio Expansion Processor with AEC and Dante

The Extron AXP 64 C AT is an audio expansion processor with six mic/line inputs and four line outputs for remote connectivity to a Dante™-enabled DMP 128 audio system. It can be used to place six mic/line sources onto a Dante audio network, and also route any four Dante channels to an amplifier or other destination. The AXP 64 C AT features Extron ProDSP™ with gain, filtering, and dynamics processing for all inputs and outputs. Four of the inputs also include AEC, 48 volt phantom power, and control ports. FlexInputs offer the additional capability to process a Dante channel in place of a local input. The outputs can process any available Dante channels. A single Ethernet cable from one AXP 64 C AT, or several linked units, to a central equipment rack greatly reduces the effort and expense of pulling one cable for each endpoint.

FEATURES
- Six mic/line level inputs, four with 48 volt phantom power
- Four independent channels of AEC - acoustic echo cancellation
- Four inputs with FlexInput capability to select between analog or Dante inputs
- Four Dante to line level outputs
- Dante audio networking provides a wide range of expansion capabilities
- Built-in four-port Gigabit switch
- One digital input and dual digital outputs at first four mic/line inputs for control
- Compact 1U, half rack width metal enclosure
- ProDSP™ 32/64-bit floating point signal processing
- Studio grade 24-bit/48 kHz analog-to-digital and digital-to-analog converters
- Low latency DSP processing
- DSP Configurator™ Software
- Intuitive Graphical User Environment
- Flexible pre- and post-processing input signal routing
- Flexible control options
- Building Blocks processor settings

Model	Version Description	Part Number
AXP 64 C AT	6 In, 4 Out Expansion Processor	60-1499-01

For updated product availability, go to www.extron.com

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+31.33.453.4040 / +800.3987.6673	+971.4.299.1800	+65.6383.4400 / +800.7339.8766	+86.21.3760.1568 / +4000.398766	+81.3.3511.7655
+31.33.453.4050 FAX	+971.4.299.1880 FAX	+65.6383.4664 FAX	+86.21.3760.1566 FAX	+81.3.3511.7656 FAX

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Extron

AUDIO PRODUCTS

XPA 1002 Plus
Two Channel Low Impedance Amplifier – 100 Watts Per Channel

The Extron XTRA™ Series XPA 1002 Plus is a half rack 1U, convection cooled power amplifier delivering two channels of 100 watts into 4 or 8 ohms. This professional grade amplifier features a 105 dB signal-to-noise ratio with 0.05% THD+N. The XPA 1002 Plus is an ENERGY STAR® qualified amplifier with an Extron exclusive, highly efficient, advanced Class D amplifier design. It also features patented CDRS™ - Class D Ripple Suppression technology that provides a smooth, clean audio waveform and an improvement in signal fidelity over conventional Class D amplifiers. The XPA 1002 Plus is housed in a half rack width metal enclosure, conserving rack space and weighing only 2.5 lbs (1.1 kg). The Extron exclusive, high efficiency design generates very little heat and allows the amplifier to be convection cooled.

FEATURES

- 200 watts rms output power:
  2 x 100 watts @ 4 or 8 ohms,
  or 1 x 200 watts @ 8 ohms (bridged)
- ENERGY STAR® qualified amplifier
- Professional grade signal-to-noise and THD+N performance
- Extron Patented CDRS™ - Class D Ripple Suppression
- Convection cooled, fanless operation
- Ultra low inrush current - no need for power sequencing
- Power factor correction - removes harmonic content on AC line
- Rack-mountable 1U, half rack width enclosure
- UL 2043 plenum rated when used with optional Flexible Conduit Adapter Kit

Learn more about cost saving XTRA™ technologies
www.extron.com/xtrapaper

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Model	Version Description	Part Number
XPA 1002 Plus	100 Watts Per Ch @ 8 Ohms	60-849-21

XPA 1002-70V and XPA 1002-100V
Two Channel High Impedance Amplifiers – 100 Watts Per Channel

The Extron XTRA™ Series XPA 1002-70V and XPA 1002-100V are half rack 1U, convection cooled power amplifiers delivering two channels of 100 watts per channel for 70 volt or 100 volt high impedance speaker systems in voice reinforcement and distributed audio applications. These professional grade amplifiers feature a 100 dB signal-to-noise ratio with 0.1% THD+N. The XPA 1002-70V and XPA 1002-100V are ENERGY STAR® qualified amplifiers with an Extron exclusive, highly efficient, advanced Class D amplifier design. They also feature patented CDRS™ - Class D Ripple Suppression technology that provides a smooth, clean audio waveform and an improvement in signal fidelity over conventional Class D amplifiers. The XPA 1002-70V and XPA 1002-100V are housed in a half rack width metal enclosure, conserving rack space and weighing only 2.5 lbs (1.1 kg). The Extron exclusive, high efficiency design generates very little heat and allows the amplifier to be convection cooled.

FEATURES

- 200 watts rms output power:
  XPA 1002-70V - 2 x 100 watts @ 70 volts
  XPA 1002-100V - 2 x 100 watts @ 100 volts
- ENERGY STAR® qualified amplifier
- Professional grade signal-to-noise and THD+N performance
- Extron Patented CDRS™ - Class D Ripple Suppression
- Convection cooled, fanless operation
- Ultra low inrush current - no need for power sequencing
- Power factor correction - removes harmonic content on AC line
- Rack-mountable 1U, half rack width enclosure
- UL 2043 plenum rated when used with optional Flexible Conduit Adapter Kit

Learn more about cost saving XTRA™ technologies
www.extron.com/xtrapaper

Model	Version Description	Part Number
XPA 1002-70V	100 Watts Per Ch @ 70 V	60-1302-01
XPA 1002-100V	100 Watts Per Ch @ 100 V	60-1302-11

AUDIO PRODUCTS

MPA 152 Plus
Stereo Amplifier - 15 Watts Per Channel

The Extron MPA 152 Plus is a quarter rack width, stereo integrated mini power amplifier that delivers 15 watts rms per channel. The MPA 152 Plus features a 90 dB signal-to-noise ratio with 0.1% THD+N, offering exceptional performance for speaker systems requiring compact, economical audio amplification. The MPA 152 Plus is an ENERGY STAR® qualified amplifier with an Extron exclusive, highly efficient, advanced Class D amplifier design. It also features patented CDRS™ - Class D Ripple Suppression technology that provides a smooth, clean audio waveform and an improvement in signal fidelity over conventional Class D amplifiers. The Extron exclusive, high efficiency design generates very little heat and allows the amplifier to be fanless and operate in environments with little or no ventilation.

FEATURES
- 30 watts rms output power: 2 x 15 watts @ 4 ohms, or 2 x 8 watts @ 8 ohms
- ENERGY STAR® qualified amplifier
- 90 dB signal-to-noise ratio with 0.1% THD+N
- Defeatable auto power-down timer for 24/7 applications
- Extron Patented CDRS™ - Class D Ripple Suppression
- Bass, treble, and input level controls
- Stereo/dual mono toggle switch
- UL 2043 plenum rated
- Balanced and unbalanced buffered audio inputs
- Convection cooled, fanless operation

ENERGY STAR

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Model	Version Description	Part Number
MPA 152 Plus	Stereo Amp - 15 Watts/Ch	60-844-03

BUC 202
Two Channel Audio BUC - Balanced and Unbalanced Converter

The Extron BUC 202 is a two channel balanced and unbalanced audio converter, and audio line driver. It features two balanced or unbalanced inputs and outputs, both on captive screw connectors. The BUC 202 provides two independent channels of signal matching between unbalanced and balanced audio equipment. Two rotary switches provide precise trim adjustment from -21 to +21 dB in clearly-labeled 3 dB steps. In addition to serving as an interface from consumer products to professional AV systems, the BUC 202 is a high-quality line driver for sending and receiving audio signals up to 1,000 feet (300 m). The unique 1U, quarter rack width enclosure, together with the included patented ZipClip™ 200 mounting bracket, offers the versatility to install the BUC 202 in a discreet location, such as on a rack rail, beneath a table, or within a lectern.

FEATURES
- Converts unbalanced audio signals to balanced signals and balanced signals to unbalanced signals
- Active balancing circuitry
- Audio line driver for long distance audio signal transmission
- Independent, variable trim control on each channel with wide, 42 dB adjustment range
- Versatile 1U, quarter rack width enclosure allows installation on a rack rail, beneath a table, or within a lectern
- Patented ZipClip™ 200 mounting kit included:
  - Mounts securely on a variety of surfaces, including rack rails, tables, lecterns, and table legs
  - Wire tie slots for proper strain relief and dressing of excess cable
  - Quick release tab allows for easy installation and removal
- Highly reliable, energy-efficient internal universal power supply
- UL/c-UL listed and CE compliant

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Model	Version Description	Part Number
BUC 202	Balanced-Unbalanced Audio Converter	60-1370-01

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+31.33.453.4050 FAX	+971.4.299.1880 FAX	+65.6383.4664 FAX	+86.21.3760.1566 FAX	+81.3.3511.7656 FAX

Extron

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ARCHITECTURAL CONNECTIVITY

Cable Cubby Series/2
Next-Generation Cable Access Enclosures for AV Connectivity and AC Power

The Extron **Cable Cubby® Series/2** is the next generation of Cable Cubby cable access enclosures, the AV industry's gold standard for conference table AV connectivity, AC power and cable management. These sophisticated yet durable, furniture-mountable enclosures blend seamlessly with modern furniture and room décor, virtually disappearing into the surface when closed. Cable Cubby Series/2 enclosures are engineered for fast assembly and installation on the job site. A simple, elegant integrated clamp system secures Cable Cubby Series/2 enclosures to the furniture surface without the need for tools or additional parts. These versatile modular enclosures accommodate Extron **Retractor** or **Retractor XL** cable retraction modules, AV cables, or AAP – Architectural Adapter Plates, and can be easily customized to your exact needs, using the online Extron Cable Cubby Builder. For AC power, **AC 100 Series** power modules with two AC outlets, or the unique **AC+USB 200** Series power module with both AC and USB power outlets for charging or powering mobile devices, are available for the US, Europe, and other major world markets. The patent-pending design enables the convenient installation or replacement of AV cables or AAPs from the top of the enclosure after installation. Cable Cubby Series/2 enclosures are available in a black anodized or brushed aluminum finish to complement any room or furniture style.

ARCHITECTURAL CONNECTIVITY

Cable Cubby® 500
Series/2 Cable Access Enclosure for AV Connectivity and AC Power

The Extron Cable Cubby® 500 is a modular, furniture-mountable cable access enclosure for AV connectivity and AC power. The Cable Cubby 500 accommodates one AC 100 Series or AC+USB 200 AC power module and includes mounting brackets for up to three Retractors, four AV cables, or two AAP - Architectural Adapter Plates. The enclosure's patent-pending modular design allows cables and AAPs to be installed or serviced from the top of the enclosure after it is installed. For fast installation, the Cable Cubby 500 features a simple, integrated clamp system that quickly secures the enclosure to the furniture surface without the need for additional parts or tools. AC Power and AC+USB Power Modules are available for the US, Europe, and other major world markets. The Cable Cubby 500 is available in a black anodized or brushed aluminum finish.

FEATURES
- Accommodates one Series/2 AC or AC+USB Power Module, plus three Retractors, four AV cables, or two AAP- Architectural Adapter Plates
- Patent-pending modular design for fast assembly and serviceability
- Retractor, Cable Pass-Through, and AAP brackets included
- Retractor Bracket holds three Retractor or Retractor XL cable retraction modules
- Optional Retractor cable retraction system supports most AV and data signal types
- AC Power and AC+USB Power Modules are available for US, Europe, and other major world markets
- Available Multi-Region AC outlet is compatible with a variety of AC plug types*

Cable Cubby 500 shown with optional products; sold separately

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Model	Version Description	Part Number
Cable Cubby 500	Black-with US AC Power Module	60-1404-02
Cable Cubby 500	Black-AC Module Not Included	70-1045-02
Cable Cubby 500	Brushed Aluminum-AC Module Not Included	70-1045-08
Cable Cubby 500 Routing Template	Routing Template for Cable Cubby 500	70-1048-80

Cable Cubby® 700
Series/2 Cable Access Enclosure for AV Connectivity and AC Power

The Extron Cable Cubby® 700 is a modular, furniture-mountable cable access enclosure for AV connectivity and AC power. The Cable Cubby 700 accommodates one AC 100 Series or AC+USB 200 AC power module and includes mounting brackets for up to six Retractors, eight AV cables, or four AAP - Architectural Adapter Plates. The enclosure's patent-pending modular design allows cables and AAPs to be installed or serviced from the top of the enclosure after it is installed. For fast installation, the Cable Cubby 700 features a simple, integrated clamp system that quickly secures the enclosure to the furniture surface without the need for additional parts or tools. AC Power and AC+USB Power Modules are available for the US, Europe, and other major world markets. The Cable Cubby 700 is available in a black anodized or brushed aluminum finish.

FEATURES
- Accommodates one Series/2 AC or AC+USB Power Module, plus six Retractors, eight AV cables, or four AAP- Architectural Adapter Plates
- Patent-pending modular design for fast assembly and serviceability
- Retractor, Cable Pass-Through, and AAP brackets included
- Retractor Bracket holds three Retractor or Retractor XL cable retraction modules
- Optional Retractor cable retraction system supports most AV and data signal types
- AC Power and AC+USB Power Modules are available for US, Europe, and other major world markets
- Available Multi-Region AC outlet is compatible with a variety of AC plug types*

Cable Cubby 700 shown with optional products; sold separately

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Model	Version Description	Part Number
Cable Cubby 700	Black-with US AC Power Module	60-1405-02
Cable Cubby 700	Black-AC Module Not Included	70-1046-02
Cable Cubby 700	Brushed Aluminum-AC Module Not Included	70-1046-08
Cable Cubby 700 Routing Template	Routing Template for Cable Cubby 700	70-1049-80

*Note: For complete compatibility information on supported AC plug types, see the Multi-Region AC Outlet Compatibility Guide, available online at www.extron.com/Multi-RegionGuide.

For updated product availability, go to www.extron.com

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+31.33.453.4040 / +800.3987.6673	+971.4.299.1800	+65.6383.4400 / +800.7339.8766	+86.21.3760.1568 / +4000.398766	+81.3.3511.7655
+31.33.453.4050 FAX	+971.4.299.1880 FAX	+65.6383.4664 FAX	+86.21.3760.1566 FAX	+81.3.3511.7656 FAX

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Extron

ARCHITECTURAL CONNECTIVITY

Cable Cubby® 1200
Series/2 Cable Access Enclosure for AV Connectivity and AC Power

The Extron Cable Cubby® 1200 is a slim, compact furniture-mountable cable access enclosure for AV connectivity and AC power. It is ideal for use in conference tables, desks, study carrels, and other space constrained furniture. The Cable Cubby 1200 accommodates one AC 100 Series or AC+USB 200 Series AC power module and includes mounting brackets for up to three Retractors, eight AV cables, or three AAP - Architectural Adapter Plates. Cables and AAPs can be installed or serviced from the top of the enclosure after it is installed. The Cable Cubby 1200 features a simple integrated clamp system that quickly secures the enclosure to the furniture surface without the need for additional parts or tools. AC Power and AC+USB Power Modules are available for the US, Europe, and other major world markets. The Cable Cubby 1200 is available in a black anodized or brushed aluminum finish.

FEATURES
- Accommodates one Series/2 AC 100 Series or AC+USB 200 Series Power Module, plus three Retractors, eight AV cables, or three AAP - Architectural Adapter Plates
- Slim enclosure is ideal for conference tables, desks or study carrels, lecterns, and other work spaces where space is at a premium
- Patent-pending modular design for fast assembly and serviceability
- Retractor, Cable Pass-Through, and AAP brackets included
- Retractor Bracket holds three Retractor or Retractor XL cable retraction modules
- Connectivity Bracket supports up to three single-space AAPs
- Cable Pass-Through Bracket supports up to eight AV cables
- AC Power and AC+USB Power Modules are available for US, Europe, and other major world markets

Cable Cubby 1200 shown with optional products; sold separately

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Model	Version Description	Part Number
Cable Cubby 1200	Black-with US AC Power Module	60-1397-02
Cable Cubby 1200	Black-AC Module Not Included	70-1037-02
Cable Cubby 1200	Brushed Aluminum-AC Module Not Included	70-1037-08
Cable Cubby 1200 Routing Template	Routing Template for Cable Cubby 1200	70-1041-80

Cable Cubby® 1400
Series/2 Cable Access Enclosure for AV Connectivity and AC Power

The Extron Cable Cubby® 1400 is a unique, double-sided furniture-mountable cable access enclosure for AV connectivity and AC power. It is ideal for applications where a centrally located enclosure is required to support users on both sides of the table. Each side of the Cable Cubby 1400 accommodates one AC 100 Series or AC+USB 200 Series AC power module and includes mounting brackets for up to three Retractors, eight AV cables, or three AAP - Architectural Adapter Plates. Cables and AAPs can be installed or serviced from the top of the enclosure after it is installed. The Cable Cubby 1400 features a simple integrated clamp system that quickly secures the enclosure to the furniture surface without the need for additional parts or tools. AC Power and AC+USB Power Modules are for the US, Europe, and other major world markets. The Cable Cubby 1400 is available in a black anodized or brushed aluminum finish.

FEATURES
- Accommodates one Series/2 AC 100 Series or AC+USB 200 Series Power Module, plus three Retractors, eight AV cables, or three AAP- Architectural Adapter Plates, per side
- Double-sided enclosure provides convenient access to AV connectivity and AC power from either side of a table or other work surface
- Patent-pending modular design for fast assembly and serviceability
- Retractor, Cable Pass-Through, and AAP brackets included
- Retractor Brackets hold three Retractor or Retractor XL cable retraction modules
- Connectivity Bracket supports up to three single-space AAPs
- Cable Pass-Through Bracket supports up to eight AV cables
- AC Power and AC+USB Power Modules are available for US, Europe, and other major world markets

Cable Cubby 1400 shown with optional products; sold separately

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Model	Version Description	Part Number
Cable Cubby 1400	Black-with US AC Power Modules	60-1398-02
Cable Cubby 1400	Black-AC Module Not Included	70-1038-02
Cable Cubby 1400	Brushed Aluminum-AC Module Not Included	70-1038-08
Cable Cubby 1400 Routing Template	Routing Template for Cable Cubby 1400	70-1042-80

*Note: For complete compatibility information on supported AC plug types, see the Multi-Region AC Outlet Compatibility Guide, available online at www.extron.com/Multi-RegionGuide.

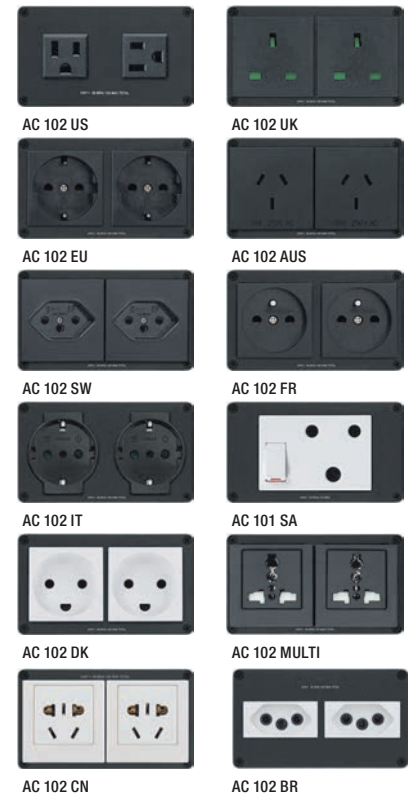**Extron**

ARCHITECTURAL CONNECTIVITY

AC 100 Series
AC Power Modules for Cable Cubby Series/2 Enclosures

The Extron AC 100 Series AC Power Modules are designed for use with Cable Cubby Series/2 enclosures. Versions are available with discrete AC power outlets for the US, Europe, and other major world markets. Most AC 100 Series power modules feature two unswitched AC power outlets; the South Africa module provides one switched AC power outlet. The Extron AC+USB 200 Series is also available for applications where USB power outlets are needed. AC 100 Series power modules are UL/c-UL listed and CE compliant when installed.

FEATURES
- Designed to work with Cable Cubby® Series/2 enclosures
- AC power outlets available for US, Europe, and other major world markets
- Italy model also accepts 2-pin Europlug and Schuko-type AC plugs
- South Africa module provides one switched AC power outlet
- Available Multi-Region AC outlet is compatible with a variety of AC plug types*
- US model includes an attached 9.5' power cord
- UL/c-UL listed and CE compliant when installed

Model	Version Description	Part Number
AC 102 US	(2) US Outlets	60-1385-01
AC 102 UK	(2) UK Outlets	60-1385-02
AC 102 EU	(2) Europe Outlets	60-1385-03
AC 102 AUS	(2) Australia Outlets	60-1385-04
AC 102 SW	(2) Switzerland Outlets	60-1385-05
AC 102 FR	(2) France Outlets	60-1385-06
AC 102 IT	(2) Italy Outlets	60-1385-07
AC 101 SA	(1) South Africa Outlet	60-1385-08
AC 102 DK	(2) Denmark Outlets	60-1385-09
AC 102 MULTI	(2) Multi-Region Outlets	60-1385-10
AC 102 CN	(2) China Outlets	60-1385-11
AC 102 JP	(2) Japan Outlets	60-1385-12
AC 102 BR	(2) Brazil Outlets	60-1385-13

AC 102 US

AC 102 UK

AC 102 EU

AC 102 AUS

AC 102 SW

AC 102 FR

AC 102 IT

AC 101 SA

AC 102 DK

AC 102 MULTI

AC 102 CN

AC 102 BR

NOW SHIPPING

AC+USB 200 Series
AC+USB Power Modules for Cable Cubby Series/2 Enclosures

The Extron AC+USB 200 Series Power Modules are designed for use with Cable Cubby Series/2 enclosures. They feature one or two unswitched AC power outlets, and two USB power outlets that provide +5VDC and up to 2.1A / 10.5 watts of USB power for charging mobile devices such as smartphones and tablets. The USB power outlets can deliver full power to either USB outlet when only one device is connected. The Extron AC 100 Series AC Power Modules are also available for applications where only AC power outlets are needed.

FEATURES
- Designed to work with Cable Cubby® Series/2 enclosures
- AC power outlets available for US, Europe, and other world markets
- Italy model also accepts 2-pin Europlug and Schuko-type AC plugs
- Available Multi-Region AC outlet is compatible with a variety of AC plug types*
- US model includes an attached 9.5' power cord
- UL/c-UL listed and CE compliant when installed
- Highly reliable, energy-efficient external universal power supply included, replacement part #70-775-01

Model	Version Description	Part Number
AC+USB 222 US	US (2) AC & (2) USB Outlets	60-1384-01
AC+USB 212 EU	Europe (1) AC & (2) USB Outlets	60-1384-03
AC+USB 212 FR	France (1) AC & (2) USB Outlets	60-1384-06
AC+USB 212 IT	Italy (1) AC & (2) USB Outlets	60-1384-07
AC+USB 212 DK	Denmark (1) AC & (2) USB Outlets	60-1384-09
AC+USB 212 MULTI	Multi-Region (1) AC & (2) USB Outlets	60-1384-10
AC+USB 212 AUS	Australia (1) AC & (2) USB Outlets	60-1384-04
AC+USB 212 SW	Switzerland (1) AC & (2) USB Outlets	60-1384-05
AC+USB 212 UK	UK (1) AC & (2) USB Outlets	60-1384-02
AC+USB 212 CN	China (1) AC & (2) USB Outlets	60-1384-11
AC+USB 222 JP	Japan (1) AC & (2) USB Outlets	60-1384-12

AC+USB 222 US

AC+USB 212 UK

AC+USB 212 EU

AC+USB 212 AUS

AC+USB 212 SW

AC+USB 212 FR

AC+USB 212 IT

AC+USB 212 DK

AC+USB 212 MULTI

AC+USB 212 CN

NOW SHIPPING

*Note: For complete compatibility information on supported AC plug types, see the Multi-Region AC Outlet Compatibility Guide, available online at www.extron.com/Multi-RegionGuide. Check local electrical standards before installing.

Europe	Middle East	Asia	China	Japan
+31.33.453.4040 / +800.3987.6673	+971.4.299.1800	+65.6383.4400 / +800.7339.8766	+86.21.3760.1568 / +4000.398766	+81.3.3511.7655
+31.33.453.4050 FAX	+971.4.299.1880 FAX	+65.6383.4664 FAX	+86.21.3760.1566 FAX	+81.3.3511.7656 FAX

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Extron

ARCHITECTURAL CONNECTIVITY

Optional Connectivity Brackets for Cable Cubby 1200/1400

For design flexibility, optional Cable and Retractor Mounting Bracket Kits are available for Cable Cubby 1200 and Cable Cubby 1400 enclosures. The brackets mount to the left and right of the selected AC power module, and are sold in pairs.

NOW SHIPPING

Model	Version Description	Part Number
Cable Bracket Kit - Quad	4-cable bracket, fits 1200/1400; pair	70-1040-01
Retractor Bracket Kit - Double	2-Retractor bracket, fits 1200/1400; pair	70-1040-02

Cable Cubby® 202
Series/2 Cable Access Enclosure for AV Connectivity and AC Power

The Extron Cable Cubby® 202 is a compact cable access enclosure with one fixed, unswitched AC outlet and a removable Cable Pass-Through Bracket that accommodates up to four AV cables. The modular design allows cables to be installed or serviced from the top of the enclosure, after it's installed in the furniture surface. Optional bracket kits are available to support up to three Extron Retractor cable retraction modules or two single-space AAP - Architectural Adapter Plates for alternate connectivity needs. For ease of installation, the Cable Cubby 202 features a hidden, integrated clamp system that quickly secures the enclosure to the furniture surface with common hand tools. The tilt-up lid is held open by a small magnetic catch, facilitating the use of the Cable Cubby 202 in both horizontal and vertical mounting orientations. When closed, the lid provides a single, full width cable pass-through. The Cable Cubby 202 is available with AC outlets for the US, Europe, and other world markets. The US model also includes an opening for one MAAP - Mini Architectural Adapter Plate, such as a momentary switch or USB pass-through connector. The Cable Cubby 202 is available in a durable black powder coat finish.

FEATURES
- Includes one unswitched AC power outlet and Cable Pass-Through Bracket for up to four AV cables
- Unique, split-ring bracket design allows cables to be installed or serviced from the top of the enclosure, after it's installed
- Versions available with AC power for the US, Europe, and other world markets
- UL/c-UL listed and CE compliant
- Simple, integrated clamp system secures the enclosure without additional parts
- Optional Retractor and AAP – Architectural Adapter Plate Bracket Kits also available
- Retractor Bracket Kit holds three Retractor or Retractor XL cable retraction modules; part #70-1043-02, sold separately
- AAP Bracket Kit accommodates two single-space AAP – Architectural Adapter Plates; part #70-1043-01, sold separately
- US version also accommodates one single-space MAAP - Mini Architectural Adapter Plate; sold separately
- Tilt-up lid and full-width cable pass-through for convenient access to AV and power
- A magnetic catch holds the lid open in any mounting orientation

Cable Cubby 202 shown with optional products; sold separately

US Central Europe UK

France Multi-Region Australia

UL LISTED   CE

Model	Version Description	Part Number
Cable Cubby 202 US	One US AC	60-1399-02
Cable Cubby 202 EU	One EU AC	60-1400-02
Cable Cubby 202 FR	One France AC	60-1401-02
Cable Cubby 202 AUS	One Australia AC	60-1402-02
Cable Cubby 202 MULTI	One Multi-Region AC	60-1403-02
Cable Cubby 202 UK	One UK AC	60-1425-02
Cable Cubby 202 Routing Template	Routing Template for Cable Cubby 202	70-1044-80
Cable Cubby 202 Retractor Bracket	Holds Three Retractor Modules	70-1043-02
Cable Cubby 202 AAP Bracket	Holds Two AAPs	70-1043-01

*Note: For complete compatibility information on supported AC plug types, see the Multi-Region AC Outlet Compatibility Guide, available online at www.extron.com/Multi-RegionGuide.

ARCHITECTURAL CONNECTIVITY

CableCover™
Under-Table Cable Bag for Cable Cubby and Cable Cubby Series/2 Enclosures

The Extron CableCover is a durable, fitted bag that mounts below most Cable Cubby, Cable Cubby Series/2, and TouchLink Cable Cubby enclosures. When installed, CableCover improves under-table cable management and aesthetics, minimizing cable tangles and preventing accidental disconnections. CableCover is 19" (48cm) deep, providing ample room for up to eight AV cables or three Extron Retractor Series cable retraction modules. Simple pass-through openings at the top and bottom of the bag facilitate cable installation and connection with both surface- and floor-mounted AV products. CableCover is available in black and includes a roll of self-adhesive, hook-and-loop tape for mounting to the enclosure.

FEATURES

- Under-table cable bag for improved cable management and aesthetics
- Ideal for use in new or existing Cable Cubby installations
- Fits most Cable Cubby, Cable Cubby Series/2, and TouchLink Cable Cubby enclosures
- Minimizes cable tangles and prevents accidental disconnections
- Accommodates up to eight AV cables or three Retractor Series cable retraction modules
- Convenient top and bottom cable pass-through openings simplify use with surface and floor mounted AV products
- Durable, flame-retardant black polyester fabric construction
- Self-adhesive hook-and-loop tape included for easy installation
- Dimensions: 19" L x 9" W x 3" H (48.3 cm L x 22.8 cm W x 7.6 cm H)

NOW SHIPPING

Model	Version Description	Part Number
CableCover	For Cable Cubby Enclosures	70-1080-01

Extron

ARCHITECTURAL CONNECTIVITY

Retractor Series/2
**Cable Retraction System with Speed Control
for Cable Cubby Enclosures**

The Extron Retractor Series/2 is a patented, variable-speed cable retraction and management system designed to work with Cable Cubby®, Cable Cubby Series/2, and TouchLink Cable Cubby cable access enclosures. Retractor Series/2 modules are available to support most AV and data signal types, including HDMI, DisplayPort, VGA, Network, PC Audio, and USB. Cables extend up to three feet (90 cm) and are held securely in place at the desired length. The cables retract at the press of a button, with integrator-adjustable retraction speed control for smooth operation in both horizontal and vertical mounting orientations.

FEATURES

- Convenient, easy to install cable retraction system for Cable Cubby®, Cable Cubby Series/2, and TouchLink® Cable Cubby access enclosures
- Cables extend up to three feet (90 cm)
- Holds cable securely in place at a user-defined length
- Simple push-button release retracts cable into Cable Cubby enclosure after use
- Adjustable cable retraction speed for smooth operation in horizontal or vertical mounting
- Engineered for long life and reliability, and tested to exceed 7,500 cable extension and retraction cycles

Retractor Series/2 HDMI

Variable-speed control for cable retraction

Model	Version Description	Part Number
Retractor Series/2 VGA	VGA; 3 feet (90 cm)	70-1065-01
Retractor Series/2 PC Audio	3.5 mm Stereo Audio; 3 feet (90 cm)	70-1065-02
Retractor Series/2 Network	Network CAT6e; 3 feet (90 cm)	70-1065-03
Retractor Series/2 HDMI	HDMI; 3 feet (90 cm)	70-1065-04
Retractor Series/2 USB	USB A to USB A; 3 feet (90 cm)	70-1065-05
Retractor Series/2 DisplayPort	DisplayPort; 3 feet (90 cm)	70-1065-07
Retractor Series/2 DC	DC Power Extension: Dell, HP, other PCs; 3 ft/90cm	70-1065-10
Retractor Series/2 VGA-A	VGA M-M and 3.5 mm Stereo; 3 feet (90 cm)	70-1065-11

AVAILABLE RETRACTOR SIGNAL TYPES

| HDMI | DisplayPort | Network | VGA | PC Audio | USB | DC Power |

Retractor Series/2 XL
**Extended Length Cable Retraction System with Speed Control
for Cable Cubby Enclosures**

The Extron Retractor Series/2 XL is a patented, variable-speed cable retraction and management system designed to work with Cable Cubby®, Cable Cubby Series/2, and TouchLink Cable Cubby cable access enclosures. Retractor Series/2 modules are available to support most AV and data signal types, including HDMI, DisplayPort, VGA, PC Audio, Network, and USB. Cables extend up to five feet (152 cm) and are held securely in place at the desired length. The cables retract at the press of a button, with integrator-adjustable retraction speed control for smooth operation in both horizontal and vertical mounting orientations.

FEATURES

- Convenient, easy to install cable retraction system for Cable Cubby®, Cable Cubby Series/2, and TouchLink® Cable Cubby access enclosures
- Cables extend up to five feet (152 cm)
- Holds cable securely in place at a user-defined length
- Simple push-button release retracts cable into Cable Cubby enclosure after use
- Adjustable cable retraction speed for smooth operation in horizontal or vertical mounting
- Engineered for long life and reliability, and tested to exceed 7,500 cable extension and retraction cycles
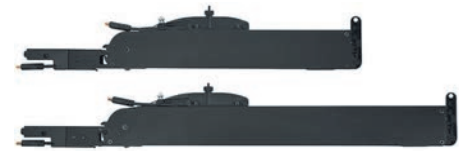
Retractor Series/2 HDMI and Retractor Series/2 XL HDMI

Model	Version Description	Part Number
Retractor Series/2 XL VGA	VGA; 5 feet (152 cm)	70-1066-01
Retractor Series/2 XL PC Audio	3.5 mm Stereo Audio; 5 feet (152 cm)	70-1066-02
Retractor Series/2 XL Network	Network CAT6e; 5 feet (152 cm)	70-1066-03
Retractor Series/2 XL HDMI	HDMI; 5 feet (152 cm)	70-1066-04
Retractor Series/2 XL USB	USB A to USB A; 5 feet (152 cm)	70-1066-05
Retractor Series/2 XL DisplayPort	DisplayPort; 5 feet (152 cm)	70-1066-07
Retractor Series/2 XL DC	DC Power Extension: Dell, HP, other PCs; 5ft/152cm	70-1066-10
Retractor Series/2 XL VGA-A	VGA M-M and 3.5 mm Stereo; 5 feet (152 cm)	70-1066-11

Extron

ARCHITECTURAL CONNECTIVITY

Hideaway® HSA 300
**HSA - Hideaway Surface Access Enclosure with AV Connectivity, AC Power, and USB Power**

The Extron Hideaway® HSA 300 is a compact, tilt-up, furniture-mountable enclosure for inconspicuous access to AV connectivity, AC power, and USB power. It features pass-through connectors for HDMI, VGA, Stereo Audio, and Network signals, one unswitched AC outlet, and two 5 VDC USB power outlets for charging mobile devices such as smartphones or tablets. When closed, the HSA 300 sits virtually flush with the table surface. To open, press the top of the enclosure and the HSA 300 slowly pivots into view, presenting the connectors at an ergonomic 49 degree angle to the tabletop. The HSA 300 is available with one US, Central Europe, or Multi-Region AC outlet that's compatible with a variety of AC plug types. The HSA 300 is available in a durable black anodized finish to complement most furniture styles and room decor.

FEATURES
- Provides convenient access to HDMI, VGA, Stereo Audio, and Network connectivity
- Provides two 5 VDC USB power outlets and up to 2.1 A / 10.5 watts of power for charging mobile devices
- Unswitched AC power outlets available for the US, Europe, and other world markets
- Available Multi-Region AC outlet is compatible with a variety of AC plug types
- HDMI: One HDMI Female to Female connector on 10" (25 cm) pigtail
- Computer video: One female 15-pin HD connector on 6" (15 cm) pigtail
- Stereo Audio: One 3.5 mm mini stereo audio jack to captive screw connector on 10" (25 cm) pigtail
- Network: One CAT 6 RJ-45 network/data/phone connector
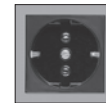
US   Central Europe   Multi-Region

UL LISTED   CE

NOW SHIPPING

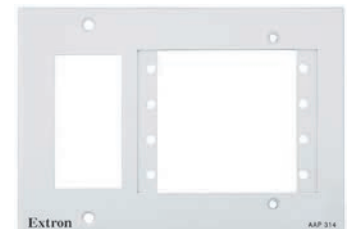| Model	Version Description	Part Number
Hideaway HSA 300 US	US - Black Anodized	60-1422-0A
Hideaway HSA 300 EU	EU - Black Anodized	60-1422-0D
Hideaway HSA 300 MULTI	Multi-Region - Black Anodized	60-1422-0J
HSA 200/222/300 Routing Template	HSA 200/222/300 Routing Template	70-237-02

AAP 314 and AAP 424
**Three or Four-Gang Decora® and AAP Mounting Frames**

The Extron AAP 314 and AAP 424 are three- and four-gang mounting frames, respectively, for Decora modules and Extron AAP - Architectural Adapter Plates. The AAP 314 accommodates one Decora module, such as the Extron WPD 140 A wallplate, and up to four single space AAPs. The AAP 424 accommodates two single Decora modules or one dual-Decora module, such as the Extron DTP HDMI 230 D, and up to four AAPs. Both frames mount directly to the wall, lectern, or other flat surface for convenient access to connectivity. Decora modules and AAPs are sold separately.

FEATURES
- Openings for one or two Decora modules
- Openings for up to four single-space AAP - Architectural Adapter Plates; AAPs sold separately
- Mounts directly to the wall, lectern, or other flat surface
- Also compatible with select SMB 100 Series surface mount boxes and EWB 100 Series external wall boxes
- Available in white
- Mud ring included

AAP 314
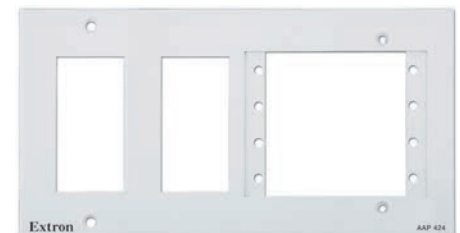
AAP 424

NOW SHIPPING

Model	Version Description	Part Number
AAP 314	Three-Gang Mounting Frame; White	70-1069-03
AAP 424	Four-Gang Mounting Frame; White	70-1070-03

For updated product availability, go to www.extron.com

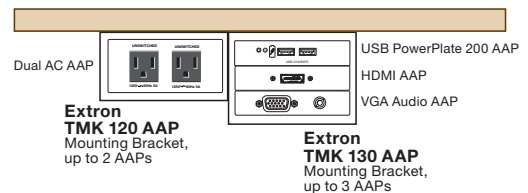| Europe	Middle East	Asia	China	Japan
+31.33.453.4040 / +800.3987.6673	+971.4.299.1800	+65.6383.4400 / +800.7339.8766	+86.21.3760.1568 / +4000.398766	+81.3.3511.7655
+31.33.453.4050 FAX	+971.4.299.1880 FAX	+65.6383.4664 FAX	+86.21.3760.1566 FAX	+81.3.3511.7656 FAX

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Extron

ARCHITECTURAL CONNECTIVITY

TMK 100 Series
Under Table Mounts for AAP - Architectural Adapter Plates

The Extron TMK 120 AAP and TMK 130 AAP are compact, under-table mounting kits for active and passive AAP - Architectural Adapter Plates. The TMK 120 AAP supports up to two single-space AAPs, while the TMK 130 AAP supports up to three AAPs. The kits utilize a simple two-piece design for ease of installation and assembly. The top portion of the kit provides full access to the AAP mounting lugs, washers, and nuts, as well as convenient keyhole openings for attachment to the table surface. The bottom portion mounts to the top portion, and surrounds and protects the connectivity plates and attached cables. Edges and corners are rounded to prevent clothing snags. The TMK 120 AAP and TMK 130 AAP are designed with flush sides so that multiple units can be seamlessly mounted side by side.

FEATURES
- Mount up to three AAPs, depending on the version
- Conveniently locates AV connectivity within reach of the system user
- Mounts securely beneath the furniture surface
- Mounting hardware included
- Available in a black powder coat finish

Dual AC AAP

USB PowerPlate 200 AAP
HDMI AAP
VGA Audio AAP

Extron TMK 120 AAP Mounting Bracket, up to 2 AAPs

Extron TMK 130 AAP Mounting Bracket, up to 3 AAPs

NOW SHIPPING

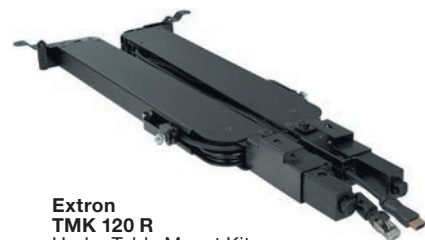| Model	Version Description	Part Number
TMK 120 AAP	Mounting Bracket, up to 2 AAPs - Black	70-1031-01
TMK 130 AAP	Mounting Bracket, up to 3 AAPs - Black	70-1031-03

TMK 120 R
Under Table Mount Kit for Two Retractors

The Extron TMK 120 R is a compact, under-table mount kit for two Extron Retractor or Retractor XL cable retraction modules. The TMK 120 R is designed to mount the Retractors close against the furniture surface, providing maximum leg room below the installed modules and minimizing the potential for clothing snags. The kit includes brackets to support both the user end of the Retractor at the table's edge and the under-table portion of the module housing.

FEATURES
- Accommodates two Retractor or Retractor XL Series cable retraction modules
- Fully supports mounted Retractors at both ends for a durable, secure installation
- Retractors mount close against the furniture surface for maximum leg room
- Included brackets support both ends of the Retractor module

Extron TMK 120 R Under Table Mount Kit for Two Retractors

Extron Retractor Cable Retraction System for Cable Cubby Enclosures

Model	Version Description	Part Number
TMK 120 R	Mounts up to 2 Retractors - Black	70-1031-05

AAP SuperPlate Series
AAP - Architectural Adapter Plate for HDMI, DisplayPort, VGA, Stereo Audio, and USB

The AAP SuperPlate Series are double-space AAP - Architectural Adapter Plates with convenient, pass-through connectivity for HDMI, DisplayPort, VGA, Stereo Audio, or USB signals. For ease of installation, all connections utilize short, female to female pigtail cables.

FEATURES
- Double-space AAP – Architectural Adapter Plates for HDMI, DisplayPort, VGA, Stereo Audio, or USB
- Signals passed through unprocessed
- Supports DDC transmission
- Supports EDID communication for HDMI and VGA sources

AAP SuperPlate 100

AAP SuperPlate 110

AAP SuperPlate 120

AAP SuperPlate 130

NOW SHIPPING

Model	Version Description	Part Number
AAP SuperPlate 100	HDMI, VGA, Audio, USB - Black	70-1076-02
AAP SuperPlate 100	HDMI, VGA, Audio, USB - White	70-1076-03
AAP SuperPlate 110	HDMI, DisplayPort, Audio, USB - Black	70-1076-12
AAP SuperPlate 120	HDMI, DisplayPort, VGA, Audio - Black	70-1076-22
AAP SuperPlate 130	(2) HDMI, VGA, Audio - Black	70-1076-32

Extron

ARCHITECTURAL CONNECTIVITY

One HDMI Female to Female on 10" Pigtail and One Momentary Switch on 4" Pigtail
AAP – Architectural Adapter Plate

FEATURES
- Size: Single-space AAP
- Type: Installation
- Momentary contact closure switch with LED indicator
- Switch can be wired Normally Open or Normally Closed
- Ideal for use in TeamWork® collaboration systems

Model	Version Description	Part Number
HDMI & Switch	Black	70-1091-02

One Contact Closure Switch to Captive Screw on 4" Pigtail
MAAP – Mini Architectural Adapter Plate

FEATURES
- Size: Single-space MAAP
- Type: Installation
- Momentary contact closure switch with LED indicator
- Switch can be wired Normally Open or Normally Closed
- Works with Cable Cubby 202 US, part # 60-1399-02, sold separately

NOW SHIPPING

Model	Version Description	Part Number
Switch	Black	70-1077-02

MOUNTING HARDWARE

UTM 100 Series
Under Table Mounts for 1U and 2U Full Rack Width Products

The Extron UTM 100 Series is a unique, self-supporting under-table mount system for 1U and 2U full rack width products. The UTM 100 Series is designed for use in environments where a traditional equipment rack or cabinet cannot be located beneath a table top or other furniture surface. The UTM system works with most Extron full-rack width enclosures, as well as Extron RSF, RSB, and RSU Series Rack Shelves, for optimum flexibility. The UTM 100 Primary Bracket mounts directly to the undersurface of the table top, providing a small gap for airflow and cooling of top-vented enclosures. For additional capacity, one or more UTM 150 Secondary Brackets can be attached to the UTM 100, up to the total supported weight of 30 lbs (13.6 kg). UTM Series mounts are finished in a durable gray powder coat finish to match other Extron products.

FEATURES
- Compact, self-supporting under table mounting system for 1U and 2U full rack width products
- UTM 100 Primary Bracket mounts directly to the undersurface of furniture
- UTM 150 Secondary Brackets mount to the UTM 100 for additional capacity
- Supports most Extron full rack enclosures and rack shelves
- Supports up to 30 lbs (13.6 kg) total installed weight
- Available in a gray powder coat finish

UTM 100

UTM 150

Model	Version Description	Part Number
UTM 100	Primary Mount, Gray	70-1085-01
UTM 150	Secondary Mount, Gray	70-1085-02

UTM Series shown with optional products; sold separately

For updated product availability, go to www.extron.com

Europe	Middle East	Asia	China	Japan
+31.33.453.4040 / +800.3987.6673	+971.4.299.1800	+65.6383.4400 / +800.7339.8766	+86.21.3760.1568 / +4000.398766	+81.3.3511.7655
+31.33.453.4050 FAX	+971.4.299.1880 FAX	+65.6383.4664 FAX	+86.21.3760.1566 FAX	+81.3.3511.7656 FAX

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Extron

CABLES & ADAPTERS

DPH 101
DisplayPort to HDMI Active Adapter

The Extron DPH 101 is a compact one input, one output DisplayPort to HDMI active adapter. Incoming signals from Type 2 enabled, 4K-capable Dual-Mode DisplayPort sources are equalized up to 15 feet (4.5 m) at the input to compensate for signal loss. The DPH 101 then reconditions the signal, ensuring signal integrity up to an additional 15 feet (4.5 m) from the output to the connected HDMI device. The DPH 101 is HDCP compliant, and supports data rates up to 10.2 Gbps and 4K/30p video resolutions. The DPH 101 can be powered by a power supply shared with another Extron product or an optional 12V 1A power supply. The DPH 101 is ideal for AV applications that require the integration of DisplayPort equipped sources into HDMI system designs.

FEATURES

- Provides connectivity between Type 2 enabled, 4K-capable Dual-Mode DisplayPort equipped sources and HDMI sink devices
- Equalizes incoming DisplayPort signals up to 15 feet (4.5 meters) to compensate for signal loss due to low quality cables or marginal sources
- Reconditions HDMI signals at the output to ensure signal integrity up to 15 feet (4.5 m) to the connected HDMI device
- Supports computer video to 2560x1600, HDTV 1080p/60 Deep Color, and 4K resolutions
- Passes EDID information from HDMI display to the source
- HDCP compliant

Model	Version Description	Part Number
DPH 101	DisplayPort F-HDMI F, Active Adapter	60-1379-01

CTU 45
Universal RJ-45 Termination Tool

The Extron CTU 45 is a crimp tool for terminating Extron XTP DTP 24 shielded twisted pair cables with Extron XTP DTP 24 Plugs. The Extron engineered, precision-machined crimp die provides accurate and consistent crimp connections. In a single cycle, the CTU 45 simultaneously crimps the plug contacts and the metal strain relief. The rugged, light-weight ratchet-controlled frame enables minimal, one-hand effort for complete crimp cycles. The user-replaceable die also fits other modular, shielded or un-shielded RJ-45 plug types. The CTU 45 is ideal for terminating Extron digital twisted pair and other standard networking cables.

FEATURES

- Designed for use with Extron XTP DTP 24 shielded twisted pair cables and XTP DTP 24 Plugs
- Also compatible with other modular, shielded or unshielded RJ-45 plug types
- Compatible with keyed and non-keyed modular plugs
- One-step operation simultaneously crimps plug contacts and metal strain relief
- Color-coded wiring diagram label
- Rugged, lightweight ratchet-controlled frame
- Tested for reliable performance to 50,000 cycles minimum

Model	Version Description	Part Number
CTU 45	RJ-45 Crimp Tool	101-024-01

CTU RJ-45 Die
Universal RJ-45 Replacement Crimp Die

The Extron CTU RJ-45 Die is a replacement crimp die for the Extron CTU 45 Universal RJ-45 Termination Tool. The die is designed to crimp Extron XTP DTP 24 Plugs and other modular, shielded or un-shielded RJ-45 plug types. In a single cycle, the Extron engineered, precision-machined crimp die simultaneously crimps the plug contacts and the metal strain relief for accurate and consistent crimp connections. The CTU RJ-45 Die also fits Extron CTU 300 Four-In-One Crimp Termination Tool frames, making the CTU 300 an ideal, single-tool solution for terminating both coaxial and twisted pair cables.

FEATURES

- Replacement die set for the Extron CTU 45 termination tool
- Designed for use with Extron XTP DTP 24 shielded twisted pair cables and XTP DTP 24 Plugs
- Also compatible with other modular, shielded or unshielded RJ-45 plug types
- Compatible with keyed and non-keyed modular plugs
- One-step operation simultaneously crimps plug contacts and metal strain relief
- Also fits Extron CTU 300 Coax Crimp Termination Tool frames

Model	Version Description	Part Number
CTU RJ-45 Die	RJ-45 Replacement Die for CTU 45	101-025-01

CLASSROOM AV SYSTEMS

PoleVault Digital Systems
Complete AV Switching and Control Systems for Digital Sources

Extron PoleVault® Digital Systems are complete, easy-to-use AV switching and control systems that seamlessly integrate digital and analog video sources. Each system uses economical twisted pair cable for transmitting signals and includes network connectivity for Web-based AV resource management, monitoring, and control. These standard two and four input systems include all the necessary audio and video switching, audio amplification, system control, source connectivity, speakers, mounting hardware, and cabling for a complete classroom AV solution. All that remains is to add the display device and sources.

FEATURES
- Complete, centralized HDMI/VGA switching and control systems with stereo audio amplification

- Securely mounts and conceals switching and audio amplification components above the projector or on the wall
- Switching wallplates transmit audio and video signals over a single CATx shielded twisted pair cable
- ENERGY STAR® qualified switcher designed to lower energy usage and reduce operating costs
- Extron exclusive patented Flat Field® speakers deliver consistent sound levels across the listening area
- Powerful 50 watt rms audio amplifier
- Three port network switch allows two additional devices to share a single network drop
- Network connectivity for Web-based monitoring and rapid problem resolution

NOW SHIPPING

PoleVault® Systems
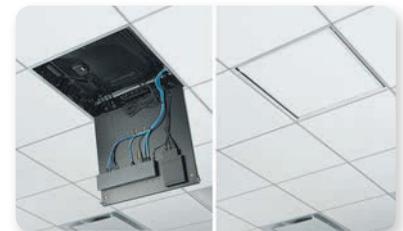**Complete AV Switching and Control Systems for Ceiling Mounted Projectors**

Model	Version Description	Part Number
PVS 200D	Two Input Digital PoleVault	42-207-03
PVS 400D	Four Input Digital PoleVault	42-208-03

PlenumVault® Systems
Complete AV Switching and Control Systems for Suspended Ceilings

Model	Version Description	Part Number
PLS 200D	Two Input Digital PlenumVault, CM	42-220-03
PLS 400D	Four Input Digital PlenumVault, CM	42-221-03
PLS 210D	Two Input Digital PlenumVault, NM	42-230-03
PLS 410D	Four Input Digital PlenumVault, NM	42-231-03

WallVault® Short-Throw Systems
Complete AV Switching and Control Systems for Wall Mounted Ultra Short-Throw Projectors

Model	Version Description	Part Number
WVS 200D	Two Input Digital WallVault, UST	42-209-03
WVS 400D	Four Input Digital WallVault, UST	42-210-03

WallVault® Wall Mounted Systems
Complete AV Switching and Control Systems for Wall Mounted Flat Panel Displays

Model	Version Description	Part Number
WVS 210D	Two Input Digital WallVault, WM	42-211-03
WVS 410D	Four Input Digital WallVault, WM	42-212-03

For updated product availability, go to www.extron.com

Europe	Middle East	Asia	China	Japan
+31.33.453.4040 / +800.3987.6673	+971.4.299.1800	+65.6383.4400 / +800.7339.8766	+86.21.3760.1568 / +4000.398766	+81.3.3511.7655
+31.33.453.4050 FAX	+971.4.299.1880 FAX	+65.6383.4664 FAX	+86.21.3760.1566 FAX	+81.3.3511.7656 FAX

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Extron

CLASSROOM AV SYSTEMS

GlobalViewer Campus Communication Suite
Network Management of Bells, PA, and Intercom Systems

The GlobalViewer® Campus Communication Suite is a complete solution for unifying all campus audio systems under an easy-to-use interface. The suite leverages the power of your existing network to provide bells, public address announcements and intercom communications throughout campus. The user interface is web-based and allows office personnel to easily manage bell schedules, broadcast announcements to various zones, or have two-way conversations with classrooms.

Flexible Bell Scheduling

GlobalViewer Campus Communication Suite allows bell schedules to be created and maintained either locally or at the district level. You can quickly and easily set recurring bell schedules for each school day. For special events, such as a rally or holiday closure, the bell schedule can be modified or disabled.

Convenient Access to Public Address Announcements

GlobalViewer Campus Communication Suite supports both live public address messages and pre-recorded announcements. Zone capability allows announcements to be routed to all locations on campus, a particular area, or a specific room. Routine announcements may be pre-recorded and played back at a designated time, or immediately at the push of a button.

Simplified Control

Managing campus audio systems is easy. GlobalViewer Campus Communication suite software runs in a standard web browser from any computer on the network. Using the intuitive graphical user interface, office personnel can administer the bell schedule, make announcements, or have two-way communication with classrooms.

Integrated Intercom System

The intercom capability of GlobalViewer Campus Communication Suite provides two-way voice communication over the network. Flexible setup options allow users to be connected with the office or help desk.

CC 100C Codec

The CC 100C is a network audio encoder and decoder designed for use with Extron GlobalViewer® Campus Communication Suite. The CC 100C allows bells and announcements to be broadcast through the Extron Classroom AV System installed in the classroom, as well as provides a two-way communication path between the teacher and the office or help desk operator.

CC 101P Intercom Panel

The CC 101P is and intercom panel designed for use with Extron GlobalViewer® Campus Communication Suite. This Decora wallplate features a microphone and push-to-talk call button that allows the user to communicate with the office or help desk operator.
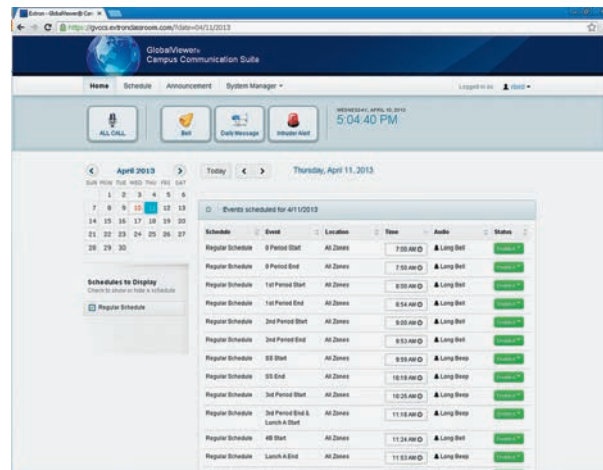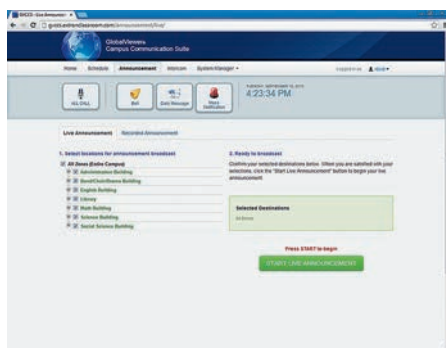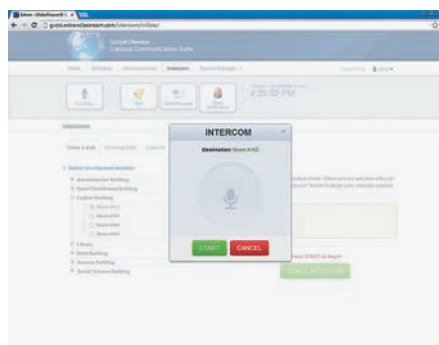

Home Screen

NOW AVAILABLE

CC 100C Codec

CC 101P Intercom Panel

Model	Version Description	Part Number
GlobalViewer Campus Communication Suite	Bells, PA, Intercom Software	29-110-01
CC 100C	Campus Communication Suite Codec	60-1445-01
CC 101P	Campus Communication Suite IC Panel . . .	60-1444-03

Broadcast PA Announcements

Intercom User Interface

Extron

CLASSROOM AV SYSTEMS

VoiceLift Microphone Systems
Complete Microphone Systems for Classroom Voice Amplification

The Extron VoiceLift® Microphone System is a voice amplification system specifically developed for K-12 classrooms. The VoiceLift Microphone System enables the creation of a "sound field" that allows a teacher's voice to be heard clearly throughout the classroom. Studies show that use of a sound field system results in increased student achievement and a reduction in teacher health issues related to voice fatigue. Each system contains all the components necessary to evenly distribute the teacher's voice throughout the classroom, including wireless microphone, IR receiver, switcher/amplifier, speakers, and cables.

FEATURES
- Complete infrared wireless microphone systems
- Integrated 50 watt rms audio amplifier for stereo or dual mono audio
- Upgrades easily and affordably to a complete PoleVault® Digital classroom AV switching, mounting, and control system
- Supports up to two microphones per classroom for team teaching or student participation

- Includes one pair of Extron patented Flat Field® speakers for consistent sound levels across the listening area
- Lightweight pendant and handheld microphones operate for an entire school day on a single, rechargeable AA battery or standard AA battery
- ENERGY STAR® qualified switcher offers Extron exclusive Auto Power Save and Network Standby Power Save modes designed to lower energy usage and reduce operating costs
- Instant Alert feature on the pendant enables the teacher to request assistance with the push of a button
- Volume control on the pendant provides easy operation
- Auxiliary audio input on the pendant and handheld microphones for MP3 player or other audio source
- Uses infrared signals that, unlike RF signals, do not pass through walls and are not subject to interference
- Audio DSP suppresses feedback while maximizing sound quality and intelligibility

VLS 1000D

NOW SHIPPING

Model	Version Description	Part Number
VLS 1000D	Single Pendant Complete VoiceLift System	42-239-01
VLS 2000D	Dual Pendant Complete VoiceLift System	42-239-02
VLS 2000DH	Pendant and Handheld VoiceLift System	42-239-22

Instant Alert Emergency Video Monitoring
Access Live Classroom Video with the Push of a Button

Many schools have experienced a disruption in the classroom, an injury, a spill of hazardous materials, or similar event that required some type of third-party notification. To prepare for a situation like this, instructors need a way to quickly and discreetly signal for assistance.

Instant Alert

The Extron VoiceLift Pendant Microphone includes an instant alert feature that enables the teacher to request assistance with the push of a button. It triggers an integrated relay that may be used with a variety of notification systems. In classrooms equipped with an Extron MediaLink Controller, the instant alert option can be configured to send a text message or email to school officials and safety authorities. Instant alert can also interface with third party alarm, security camera, mass notification, and other systems.

Emergency Video Monitoring

In addition to sending an email or text to officials, Instant Alert can also provide access to an IP video camera installed in the classroom. By clicking the link provided by email or in GlobalViewer® Enterprise, administrators can see and hear what is happening in the room. This allows them to deploy the most appropriate resources such as summoning police or medical personnel, or starting lock down procedures.

If GlobalViewer Campus Communication Suite has been deployed, the help desk operator may either make an announcement to the room that assistance is on the way, or initiate an intercom session for two-way communication with the instructor.
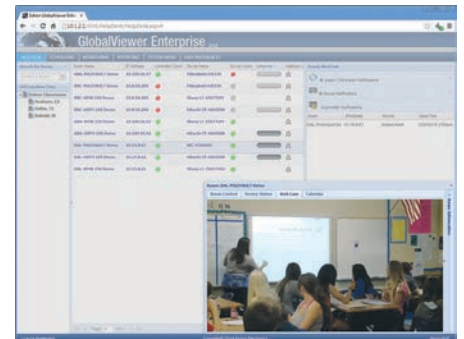
GlobalViewer Enterprise showing live classroom video

Extron

COLLABORATION SYSTEMS

What are Collaboration Systems?

The collaborative work or learning environment breaks down the traditional, large working group topology. Rather than a single leader presenting a topic to other team members, each team member has the opportunity to lead a presentation or discussion in smaller, more agile cooperative workgroups. Within the collaborative setting, each team member contributes based on his or her core strengths, making the whole workgroup effort much stronger than any one individual member and, in turn, more cohesive and productive. Large, complex projects can be divided into a series of small, more easily managed segments, which are then brought together to create the final deliverable.

Collaboration systems offer several advantages:

- Multiple, smaller workgroup spaces can be created within a single, large room, thus maximizing space utilization. Alternately, collaboration spaces can be created within an existing work area or classroom, allowing workgroups to meet on an ad hoc basis, quickly and easily, without disrupting the work of others in the room.

- Workgroups can be formed, or re-formed, as project needs develop or change over time.

- Workgroups can be varying sizes, typically from as few as two members to as many as eight, depending on the scope of work to be accomplished by each group. Individual team members can be part of one or more workgroups, based on their areas of expertise.

- Workgroups can meet as needed, whether once a week or several times each day, coming together to discuss the project, problem, breakthrough, or obstacle.

What is Extron TeamWork®?

Extron TeamWork is a new concept in collaborative AV system design. It works with virtually any furniture system, new or currently in use. Unlike other collaborative systems that are designed around specific, proprietary furniture systems that must be installed new, TeamWork can be installed with any classroom or business furniture system. In fact, there's a very good chance that TeamWork can be installed with the furniture system you're using today.

Fully Customizable

TeamWork is fully customizable to meet any collaboration need in three easy steps:

1. Select a switcher and the appropriate combination of HDMI, DisplayPort, or VGA "Show Me" cables
2. Select an IP Link control processor
3. Select a Cable Cubby enclosure, wallplate, or other architectural connectivity

Pre-configured TeamWork packages, for four to six users, are also available for fast implementation with minimal setup.

Simple, intuitive operation: Extend - Connect - Share

TeamWork operation is simple and intuitive. To start the TeamWork system, simply connect one of the system's "Show Me" control cables to the video output on your device. As soon as an active signal is detected, the display will be powered on. By pressing the "Share" button on your "Show Me" cable, the button lights and the switcher automatically selects the appropriate input. When you're done, simply disconnect your laptop and walk away. An integrated inactivity timer automatically turns off the display after a pre-determined time period. TeamWork facilitates collaboration without getting in the way.

TeamWork ▶
DIGITAL COLLABORATION SYSTEMS

Extron

COLLABORATION SYSTEMS

Customize Your TeamWork Systems

Extron TeamWork® is a fully customizable collaboration system that can be easily tailored to fit collaboration requirements for up to eight users, in three easy steps:
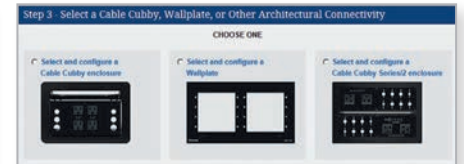
Step 1	Step 2	Step 3
Select a switcher and HDMI, VGA and DisplayPort "Show Me" cables	Select an Extron IP Link® control processor	Select a Cable Cubby® enclosure, wallplate, or other architectural connectivity

The online **TeamWork System Builder** quickly steps you through the creation of custom TeamWork system. Choose from a wide range of Extron products to select the switcher and "Show Me" cables, IP Link control processor, and Cable Cubby enclosure, wallplate, or other architectural connectivity that are best suited for your collaboration environment. There are many Extron products suitable for TeamWork applications. For more information or to discuss a particular collaboration system requirement, contact your Extron representative.

TeamWork 601

Pre-Configured Collaboration System for Four Digital and Two Analog Sources

The Extron TeamWork® 601 is a complete, pre-configured collaboration system for four digital and two analog sources. The package includes four HDMI and two VGA "Show Me" cables, a switcher, a system controller, a Cable Cubby® Series/2 enclosure, and other necessary system cables. The system supports up to four digital laptops or tablets, and two legacy analog computer video and audio sources, without the need for additional signal conversion equipment. The included MPS 601 switcher digitizes analog signals so that they can be switched to the display, along with native HDMI signals, on a single HDMI cable. TeamWork 601 works with virtually any new or existing furniture system. Optional mounting hardware facilitates different collaboration table or work surface designs.

NOW SHIPPING

FEATURES
- Complete collaboration system for groups of four to six users
- Four digital and two analog inputs
- Digitizes legacy analog computer and audio sources
- HDMI and analog signals are switched to the display on a single HDMI cable
- Works with virtually any new or existing furniture system
- Works with most flat panel displays, laptops, and tablets
- Pre-configured for fast, easy installation
- Cable Cubby Series/2 AC Power Modules for TeamWork 601i sold separately; two required per system

Model	Version Description	Part Number
TeamWork 601	120 VAC, with US AC outlets	42-241-01
TeamWork 601i	220 VAC; AC outlets sold separately	42-241-02

For updated product availability, go to www.extron.com

Europe	Middle East	Asia	China	Japan
+31.33.453.4040 / +800.3987.6673	+971.4.299.1800	+65.6383.4400 / +800.7339.8766	+86.21.3760.1568 / +4000.398766	+81.3.3511.7655
+31.33.453.4050 FAX	+971.4.299.1880 FAX	+65.6383.4664 FAX	+86.21.3760.1566 FAX	+81.3.3511.7656 FAX

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Extron

COLLABORATION SYSTEMS

HDMI SM
HDMI "Show Me" Cable for TeamWork Collaboration Systems

The Extron HDMI SM "Show Me" Cable provides the user interface for HDMI-equipped laptop computers or other sources in an Extron TeamWork® Collaboration System. Operation is simple and convenient: Connect the HDMI "Show Me" cable to your source device and press the "Share" button to share your content on the main presentation display. The cable meets Section 508 accessibility standards and is certified for use with Cable Cubby® enclosures for discreet, convenient access.

FEATURES
- Provides the user interface for HDMI signals in a TeamWork® collaboration system
- Supports computer video up to 1920x1200, including HDTV 1080p/60 Deep Color and 2K
- "Share" button lights as it switches the connected source to the main presentation display
- Ultra-flexible cable conforms to HDMI High Speed cable specifications
- 24" (60 cm) control/tally pigtail for ease of installation
- Certified for use with Cable Cubby® enclosures

Model	Version Description	Part Number
HDMI SM/6	HDMI "Show Me" Cable, 6' (1.8 m)............	26-683-06
HDMI SM/12	HDMI "Show Me" Cable, 12' (3.6 m)	26-683-12

NOW SHIPPING

VGA SMC
VGA "Show Me" Cable for TeamWork Collaboration Systems

The Extron VGA SMC "Show Me" Cable provides the user interface for legacy analog laptop computers in an Extron TeamWork® Collaboration System. Operation is simple and convenient: Connect the VGA "Show Me" cable to your source device and press the "Share" button to share your content on the main presentation display. The cable meets Section 508 accessibility standards and is certified for use with Cable Cubby® enclosures.

FEATURES
- Provides the user interface for analog computer video signals in a TeamWork® collaboration system
- Supports analog computer video signals up to 1920x1200 and HDTV 1080p/60
- "Share" button lights as it switches the connected source to the main presentation display
- 24" (60 cm) control/tally pigtail for ease of installation
- Certified for use with Cable Cubby® enclosures
- Optional 3.5 mm mini stereo cable available

Model	Version Description	Part Number
VGA SMC/6	VGA "Show Me" Cable, 6' (1.8 m).............	26-686-06
VGA SMC/12	VGA "Show Me" Cable, 12' (3.6 m)	26-686-12

NOW SHIPPING

DisplayPort SM
DisplayPort "Show Me" Cables for TeamWork Collaboration Systems

The Extron DisplayPort SM "Show Me" Cable provides the user interface for DisplayPort laptop computers in an Extron TeamWork® Collaboration System. Operation is simple and convenient: Connect the DisplayPort "Show Me" cable to your dual-mode DisplayPort enabled source device and press the "Share" button to share your content on the main presentation display. The cable meets Section 508 accessibility standards and is certified for use with Cable Cubby® enclosures for discreet, convenient access.

FEATURES
- Provides the user interface for DisplayPort signals in a TeamWork® collaboration system
- Supports computer video up to 1920x1200, including HDTV 1080p/60 Deep Color and 2K
- Provides connectivity between a dual-mode DisplayPort enabled source and an HDMI switcher
- "Share" button lights as it switches the connected source to the main presentation display
- Complies with VESA Interoperability Guideline
- Certified for use with Cable Cubby® enclosures

Model	Version Description	Part Number
DP-HDMI SM/6	DP to HDMI "Show Me", 6' (1.8 m)............	26-689-06
DP-HDMI SM/12	DP to HDMI "Show Me", 12' (3.6 m)	26-689-12
MDP-HDMI SM/6	Mini DP to HDMI "Show Me", 6' (1.8 m).......	26-690-06
MDP-HDMI SM/12	Mini DP to HDMI "Show Me", 12' (3.6 m)	26-690-12

Note: Extron "Show Me" Cables are sold as part of a complete TeamWork Custom or TeamWork Pre-Configured collaboration system. For more information or to discuss a particular collaboration system requirement, contact your Extron representative

NOW SHIPPING

COLLABORATION SYSTEMS

Retractor SM
**"Show Me" Cable Retraction Modules
for TeamWork Collaboration Systems**

The Extron Retractor SM "Show Me" cable retraction modules provide the user interface for HDMI, DisplayPort, Mini DisplayPort, or VGA sources in an Extron TeamWork® Collaboration System. Connect the "Show Me" cable to your source device and press the "Share" button to share your content on the main presentation display. Retractor SM cables extend up to three feet (90 cm) and are held securely in place at the desired length. At the end of the collaboration session, cables retract with the press of a button. HDMI and VGA models pass signals from the connected sources without processing. DisplayPort and Mini DisplayPort models feature active, one-way adapters that convert dual-mode DisplayPort signals into HDMI for use with a TeamWork switcher. Retractor SM modules work with Cable Cubby 1200 and Cable Cubby 1400 cable access enclosures, as well as the TMK 120 R Table Mount Kit for under-table applications.

FEATURES
- Designed for use with Cable Cubby® 1200 and Cable Cubby 1400 cable access enclosures
- Engineered for long life and reliability in high-utilization environments
- Simple, intuitive operation: Extend – Connect – Share
- "Share" button lights as it switches the connected source to the main presentation display
- Cables extend up to three feet (90 cm)
- Holds cable in place at a user-defined length
- Simple push-button release retracts cable after use
- Adjustable cable retraction speed for smooth operation in horizontal or vertical mounting orientations
- Retractor SM Mounting Bracket Kits, for three or four cable retraction modules, and Horizontal Mounting Bracket Kit, sold separately

Variable-speed control for cable retraction

Model	Version Description	Part Number
Retractor SM HDMI	HDMI "Show Me"; 3 feet (90 cm)	70-1065-14
Retractor SM VGA	VGA "Show Me"; 3 feet (90 cm)	70-1065-15
Retractor SM DP-HDMI	DisplayPort to HDMI "Show Me"; 3 feet (90 cm)	70-1065-16
Retractor SM MDP-HDMI	Mini DP to HDMI "Show Me"; 3 feet (90 cm)	70-1065-17
Retractor SM Cable Cubby Mount - Triple	Holds Three Retractor SM Modules	70-1065-31
Retractor SM Cable Cubby Mount - Quad	Holds Four Retractor SM Modules	70-1065-32
Retractor SM Horizontal Bracket Kit	For Horizontal Mounting Applications	70-1065-30
Retractor Filler Module	Filler Module	70-678-08

For updated product availability, go to www.extron.com

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+31.33.453.4040 / +800.3987.6673	+971.4.299.1800	+65.6383.4400 / +800.7339.8766	+86.21.3760.1568 / +4000.398766	+81.3.3511.7655
+31.33.453.4050 FAX	+971.4.299.1880 FAX	+65.6383.4664 FAX	+86.21.3760.1566 FAX	+81.3.3511.7656 FAX

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Extron

USB FOR PRO AV

USB Extender Plus Series
Twisted Pair Extender for USB Peripherals

The USB Extender Plus Series extends signals from USB peripheral devices located up to 330 feet (100 meters) away from the host computer using a single CATx cable. The transmitter includes USB peripheral emulation to enable a trouble-free booting of a host computer that is not connected to a keyboard or mouse. For simplified integration, the receiver features a built-in, active four port hub that supplies 5 Volts, 500 mA on each port to power attached devices. The extender is compatible with USB 3.0, 2.0, 1.1, and 1.0 devices with transfer data rates up to 480 Mbps. The USB Extender Plus Series supports USB peripherals such as interactive whiteboards, keyboards, mice, mass storage devices, webcams, headsets and speakers, along with other USB devices in a wide variety of environments.

FEATURES
- Extends USB peripherals up to 330 feet (100 meters) on one CATx cable
- Supports USB 3.0, 2.0, 1.1, and 1.0 devices with data transfer rates up to 480 Mbps
- Compatible with CATx twisted pair cable
- Receiver features an integrated four port hub with 5 Volts, 500 mA available on each port
- Peripheral emulation
- Real-time status LED indicators for troubleshooting and monitoring
- 1" (2.5 cm) high, quarter rack width metal enclosures

USB Extender Plus T   USB Extender Plus R

Model	Version Description	Part Number
USB Extender Plus T	Transmitter	60-1471-12
USB Extender Plus R	Receiver	60-1471-13

Extron 4K Solutions
High-Performance Video Solutions for 4K and Ultra HD Video

The next challenge facing system designers is figuring out how to implement AV systems that support 4K signals. Extron is ready with service, support, and solutions to meet your 4K requirements. Extron 4K video solutions provide high-performance signal extension, routing, and distribution systems for 4K and Ultra HD - UHD digital video signals. Whether designing for simulation, defense, medical, theater, themed attraction, or other applications, Extron delivers service, support, and the right solution to ensure your project is a success.

For assistance designing your 4K AV system, please contact your local Extron Customer Support representative. An Extron Applications Engineer will be assigned to your project and will work with you to ensure your complete satisfaction.

Extron Products Support 4K

Extron provides a wide variety of 4K ready product solutions, including videowall processors, streaming encoders and decoders, media players, and fiber optic and twisted pair signal distribution products. Look for the **4K/UHD** or **4K/UHD Ready** logo.

Products displaying the 4K/UHD logo are available today, and integrate easily into a wide range of 4K and UHD environments.

Products displaying the 4K/UHD Ready logo provide a future-ready upgrade path for new formats with higher resolutions such as 4K and UHD video.

- Support 4K, UHD, DisplayPort, HDMI, DVI, and 3G-SDI video - Extron 4K video solutions support a wide range of video formats and resolutions.
- Twisted pair, fiber optic, signal processing, streaming, and playback solutions available
- DTP 230 and DTP 330 extenders transmit 4K and UHD signals up to 330 feet (100 meters) over a single shielded twisted pair cable
- DTP CrossPoint 84 supports 4K and UHD signals at all inputs and HDMI outputs
- XTP CrossPoint® matrix frames are 4K and UHD ready
- Quantum videowall processors support a variety of 4K and UHD applications
- VN-Matrix 250 systems stream 4K content with visually lossless quality and minimal latency
- Configure JMP 9600 2K media players into 4K content playback systems
- FOX Series extenders transmit 4K and UHD signals very long distances over fiber optic cabling
- FOX Series matrix switchers available in I/O sizes from 8x8 to 1000x1000 and larger
- Fiber optic products available as an 850 nm multimode model for moderate-range transmissions up to 2 km (1.25 miles) and a 1310 nm singlemode model for extreme distances up to 30 km (18.75 miles)

To get started with Extron 4K Solutions
call your Extron customer support representative

For updated product availability, go to www.extron.com

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+31.33.453.4050 FAX	+971.4.299.1880 FAX	+65.6383.4664 FAX	+86.21.3760.1566 FAX	+81.3.3511.7656 FAX

Extron

Extron Control Systems Certification Programs
Establish Your Knowledge of Extron Pro Series Control Systems

We have launched two new Extron Control Systems Certification programs designed to prepare individuals to successfully deploy and maintain customized AV control systems that are built around our recently-launched IP Link® Pro Series and TouchLink® Pro Series products. The **Extron Control Specialist – ECS and Extron Control Professional – ECP** certifications focus on control system customization for a wide range of applications, advanced device communications, troubleshooting, and best practices.

Certification Comparison

Extron Control Specialist - ECS

Audience

This program is ideal for industry professionals who install, configure, operate, manage, and troubleshoot Extron Pro Series control systems. This includes design engineers, AV system installers, and system integration project managers. AV control system design and installation experience is recommended.

Delivery Method

ECS is delivered through instructor-led training. To achieve certification, students must also pass an Extron-proctored exam.

Course Content

ECS is a two-day course consisting of the following general categories:
- Learn Global Configurator Plus software, and use its powerful capabilities to configure and manage Extron Pro Series control systems
- Control system design concepts
- Configure a wide range of room control functions using Global Configurator Plus
- Create custom control interfaces using GUI Designer software, plus GUI design best practices
- Validate Pro Series control systems in multiple AV environments

Extron Control Professional - ECP

Audience

This program is ideal for advanced users or control system programmers who understand the complexities of more sophisticated systems. A background of 2-5 years of AV control system design, programming, and installation experience is recommended.

Delivery Method

ECP is delivered through instructor-led training. To achieve certification, students must also pass an Extron-proctored hands-on exam.

Course Content

ECP is a three-day course consisting of the following general categories
- Learn Global Configurator Professional software, and how to take advantage of the advanced features for more complex system designs
- Sophisticated control system design concepts and advanced configuration techniques
- Create custom control interfaces using GUI Designer software, plus GUI design best practices
- Validate complex Pro Series control systems in multiple AV environments

Learn More

To find out more about the Extron Control Systems Certification programs, contact your Extron S3 Customer Support Representative.

DESIGN AND EDUCATION RESOURCES

Videowall Systems Design Guide
A Comprehensive Resource for Videowall System Design

The Videowall System Design Guide is a comprehensive reference for AV professionals tasked with creating high performance videowall systems designs, with in-depth coverage of essential topics such as room design, videowall processing features, display technology, system control, and cost of ownership

**Call your Extron Representative for a copy.**
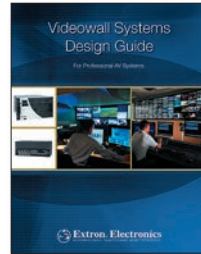
Control Systems Design Guide - Second Edition
AV Control System Design Strategies

The 2nd Edition of the Control Systems Design Guide features the latest Extron control systems products and technologies, new AV control systems designs, and updated Apps, software, and training information. This Guide offers an "insiders look" at what Extron considers the best methodologies for AV system design. It focuses on educating the control system designer, integrator, and consultant on the importance of designing for control, and helps the AV professional develop the required expertise to design functional, highly-effective, and intuitive control systems.

Call your Extron Representative for a copy.
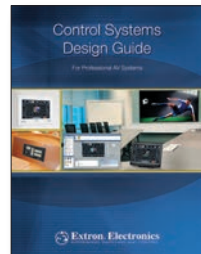
Fiber Optic Design Guide - Third Edition
A Guide to Fiber Optic AV System Design

This updated edition of the Extron Fiber Optic Design Guide is a complete reference tool for understanding and applying fiber optic solutions in real-world scenarios. Building upon the foundation established in the previous editions, it is designed to help AV professionals of all levels enhance their ability to employ fiber optics in AV systems. With material ranging from technology fundamentals to advanced concepts, including system testing, this guide provides detailed yet practical approaches for a variety of system designs, and offers updated solutions using the extensive family of Extron fiber optic products.

Call your Extron Representative for a copy.
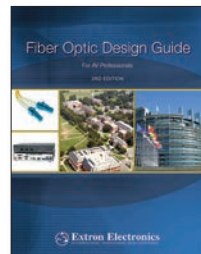
Digital Design Guide - Third Edition
Digital Video for Professional AV Systems

The Digital Design Guide is a comprehensive resource for digital video systems and implementing effective system design strategies. This guide is newly updated and expanded with the latest formats and technologies. Also included are all-new discussions on signal management and infrastructure planning for high resolution video. Several detailed system design examples have been created specifically for this guide. They reflect typical real-world AV applications, and feature a wide range of key Extron technologies and product solutions.
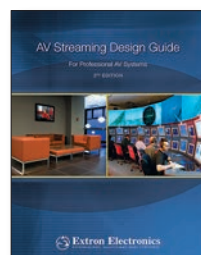
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AV Streaming Design Guide - Third Edition
AV Streaming Over IP for the AV Professional

AV streaming technologies have been around for over a decade, and today they are finding their way into more and more professional AV systems. The newly updated Extron AV Streaming Design Guide is an educational resource for familiarizing AV professionals with the technologies, challenges, and potential applications of AV over IP streaming. It includes an examination of video compression systems, networking and streaming protocols, device compatibility topics, and a range of streaming system architectures. Detailed system designs are presented that identify real-world applications utilizing Extron AV streaming products.

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XTP Systems Certification Program

Establish Your Knowledge of Digital Systems

The Extron XTP Systems Certification programs are designed to prepare individuals to successfully deploy and maintain enterprise-wide digital systems based on Extron XTP Systems. The **XTP Systems Design Engineer – XTP-E and XTP Systems Technician – XTP-T** certifications provide a balanced approach to theory and hands-on application. XTP-E focuses on the practical aspects of designing digital AV systems, while XTP-T provides an emphasis on the practical aspects of installing, configuring, and commissioning digital AV systems.

Certification Comparison

XTP Systems Design Engineer – XTP-E

Audience

This program is ideal for individuals who will be required to design Extron XTP Systems.

Delivery Method

XTP-E is delivered through online course material and instructor-led training. Once enrolled, students are required to pass an online exam for Digital AV Technologies. To achieve certification, students must also attend an instructor-led course and pass an Extron-proctored system design exam.

Course Content

XTP-E is a two-day course consisting of the following general categories:

- XTP Systems theory, including the general principles of XTP System design within multiple AV environments
- Complete XTP System design concepts
- Complex system configuration
- Designing for real-world scenarios

XTP Systems Technician – XTP-T

Audience

This program is ideal for individuals who will be required to install, configure, and commission Extron XTP Systems.

Delivery Method

XTP-T is delivered through online course material and instructor-led training. Once enrolled, students are required to pass online exams for the online courses. To achieve certification, students must also attend an instructor-led course and pass an Extron-proctored, two-part exam consisting of a written portion and a hands-on component.

Course Content

XTP-T is a two-day course consisting of the following general categories:

- XTP Systems installation concepts
- Complex system configuration
- Commissioning a system in a variety of applications
- Hands-on sessions that involve setting up and configuring a system according to a scope of work and system schematic
- Validate an XTP System installation in multiple AV environments
- Troubleshooting XTP Systems

Learn More

To find out more about the Extron XTP Systems Certification programs, contact your
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